



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

#418

TONEY ANAYA  
GOVERNOR

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

October 12, 1984

Northwest Pipeline Corporation  
P.O. Box 1526  
Salt Lake City, Utah 84110-1526

Attention: Warren O. Curtis

Re: San Juan 29-5 Unit  
#14-08-001-437  
Rio Arriba County,  
NM, NOTICE OF COMPLE-  
TION OF ADDITIONAL WELL  
Mesaverde Formation

Dear Mr. Curtis:

Enclosed please find an approved copy of the material referenced above. Such approval is contingent upon like approval by the Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON  
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque  
OCD District Office - Aztec

**NORTHWEST PIPELINE CORPORATION**   
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 1526  
SALT LAKE CITY, UTAH 84110-1526  
801-583-8800

5140-216-84/2672Q

September 13, 1984

Re: San Juan 29-5 Unit #14-08-001-437  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF  
ADDITIONAL WELL  
Mesaverde Formation

Assistant Area Oil and Gas Supervisor  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attention: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Commission  
Attention: Mr. Joe Ramey  
P. O. Box 2088  
Santa Fe, NM 87501

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 29-5 Unit Agreement, Northwest Pipeline, as Unit Operator, has determined that the following described well is capable of producing unitized substances in paying quantities from the Mesaverde formation.

The well data is as follows:

The San Juan 29-5 Unit Com #37A Well is located 1810 feet from the north line and 980 feet from the west line, Section 31, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on April 15, 1981. The Mesaverde formation was completed on October 26, 1981. The Mesaverde formation was perforated with 30 holes at the following depths:

30 holes 5137' - 5638'

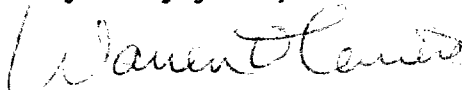
Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 2  
September 13, 1984

These perforations were treated with 10,000 gallons pad water followed by 100,000 pounds of 20/40 sand. The well was tested on October 26, 1981, using a positive choke in a three hour test. The well was tested at a 2964 MCFD flow rate with a calculated AOF of 4847 MCFD. The ISIP was measured at 833 psig.

Since this well was drilled within the existing Mesaverde Participating Area, the Participating Area is not affected by virtue of this commercial well and the percentages of participation remain the same.

If this determination meets with your approval, please so indicate such approval in the space provided and return an approved copy for our files. Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,



Warren O. Curtis  
Proration/Land

jawc

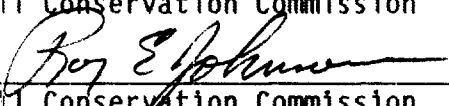
cc: Working Interest Owners

APPROVED \_\_\_\_\_  
Area Oil and Gas Supervisor  
Bureau of Land Management  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Commission

DATE \_\_\_\_\_

APPROVED \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Oil Conservation Commission

DATE \_\_\_\_\_

APPROVED  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Commissioner of Public Lands

DATE 10-12-84

SAN JUAN 29-5 UNIT  
WORKING INTEREST OWNERS

Sun Gas Division  
Sun Exploration & Production Co.  
P. O. Box 20  
Dallas, Texas 75221

Ms. Mabelle M. Miller  
Corinne Miller Gay Trust  
Maydell Miller Mast Trust  
James M. Raymond  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Koch Industries  
P. O. Box 2256  
Wichita, Kansas 67201

Phillips Oil Company  
Attn: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

Amoco Production Company  
Attn: J. C. Burnside  
1670 Broadway - Suite 1914  
Amoco Building  
Denver, Colorado 80202

Wiser Oil Company  
905 Oil & Gas Building  
Wichita Falls, Texas 76301

El Paso Exploration Co.  
Attn: Land Department  
P. O. Box 4289  
Farmington, New Mexico 87499-4289

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain, Deceased  
P. O. Box 63  
Morris, Illinois 60450

Mrs. Catherine B. McElvain  
Individually & as Executrix of the  
Estate of T. H. McElvain, Deceased  
P. O. Box 2148  
Santa Fe, New Mexico 87501

Bolack Minerals Company  
Rt. 3 South., Box 47  
3901 Bloomfield Hwy.  
Farmington, New Mexico 87401

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas, Texas 75221

Ruth M. Vaughan  
300 Caversham Road  
Bryn Mawr, PA 19010

Nancy Ridgely  
344 North Stanbery Avenue  
Columbus, Ohio 43209

Brenda Petke  
18 Shadow Lane  
Chadds Ford, PA 19317

Phillips Petroleum Company  
Attn: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

0046t

# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

March 15, 1984

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148  
Express Mail Delivery Used  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Northwest Pipeline Corporation  
1125 Seventeenth Street, Suite 2140  
Denver, Colorado 80202

Re: San Juan 29-5 Unit  
Rio Arriba County, New Mexico  
Amended Twenty-Third Expanded  
Mesaverde Participating Area

ATTENTION: Ms. Kathy Michael

This office is in receipt of your Amended Twenty-Third Expanded Participating Area for the Mesaverde formation in the San Juan 29-5 Unit Area. This office concurs with your determination that the Well No. 100 is a non-commercial well and therefore is not entitled to participate within the Twenty-Third Expanded Mesaverde Participating Area.

The Amended Twenty-Third revision to the Mesaverde Participating Area deletes All of Section 25, Township 29 North, Range 5 West which was originally included in the Twenty-Third Expansion.

Inasmuch as your Amended Twenty-Third Expanded Participating Area needs no official approval, it has this date been accepted and filed in our unit files. Enclosed is one copy for your files reflecting the date received in this office.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY:  
RAY D. GRAHAM, Director  
Oil and Gas Division  
AC 505/827-5744

JB/RDG/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez  
BLM-Albuquerque, New Mexico

# NORTHWEST PIPELINE CORPORATION

LAND DEPARTMENT

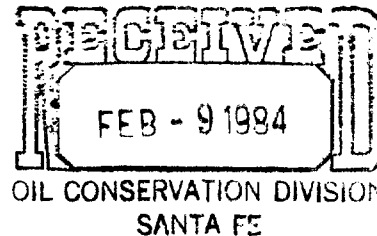
January 26, 1984

1125 Seventeenth Street, Suite 2140  
Denver, Colorado 80202  
303-292-4906

Assistant Area Oil and Gas Supervisor  
Minerals Management Service  
Attn: James W. Shelton  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, New Mexico 87102

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Oil Conservation Commission  
Attn: Mr. Joe Ramey  
P. O. Box 2088  
Santa Fe, New Mexico 87501



Re: San Juan 29-5 Unit #14-08-001-437  
Rio Arriba County, New Mexico  
AMENDED TWENTY-THIRD EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective July 1, 1981

Gentlemen:

Pursuant to Section 11(a) of the 29-5 Unit Agreement, Northwest Pipeline Corporation, Unit Operator, has determined that the following San Juan 29-5 Unit Mesaverde Wells, which were completed outside the limits of the existing Mesaverde Participating Area, are capable of producing unitized substances in paying quantities from the Mesaverde Formation.

AMENDED TWENTY-THIRD EXPANDED MESAVERDE PARTICIPATING AREA -  
Effective July 1, 1981

| <u>Description of Lands</u>                                          | <u>Acres</u> | <u>Well Name &amp; No.</u>                                |
|----------------------------------------------------------------------|--------------|-----------------------------------------------------------|
| <u>Township 29 North, Range 5 West, N.M.P.M.</u><br>Section 15: SE/4 | 160.00       | Gobernador #6<br>(formerly San Juan<br>29-5 Unit Com #73) |
| <u>Township 29 North, Range 5 West, N.M.P.M.</u><br>Section 26: E/2  | 320.00       | San Juan 29-5<br>Well #101                                |

The well data is as follows:

The Gobernador #6 Well is located 1680 feet from the North Line and 795 feet from the West Line, Section 15, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on April 3, 1981 and completed on June 29, 1981. The Mesaverde Formation was perforated with 21 holes between the following depths:

5594' and 6016'

These perforations were treated with 11,750 gallons of fluid followed by sand/water fracturing. This well has two tubing strings. The well was shut-in with a SIPT of 1110 psig and SIPC of 1107 psig. On June 29, 1981, the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 2006 MCFD with a calculated AOF of 2196.

The San Juan 29-5 Unit #101 Well is located 1050 feet from the North Line and 1970 feet from the East Line, Section 26, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on March 31, 1981 and completed on June 23, 1981. The Mesaverde Formation was perforated with 20 holes between the following depths:

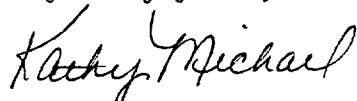
5738' and 6144'

These perforations were treated with 1092 bbls of fluid followed by sand/water fracturing. This well has two tubing strings. The well was shut-in with a SIPT of 1124 psig and SIPC of 1107 psig. On June 30, 1981 the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 2464 MCFD with a calculated AOF of 2756.

Attached is Schedule XXIV and ownership map showing the Amended Twenty-Third Expanded Participating Area for the Mesaverde Formation of the San Juan 29-5 Unit Area. The Schedule describes the Amended Expanded Participating Area and shows the percentage of unitized substances allocated to each tract. Inasmuch as this needs no official approval, in the absence of disapproval, the subject expansion is effective as of July 1, 1981.

Copies of this letter and schedule are being sent to the Working Interest Owners as shown on the attached sheet.

Very truly yours,



Kathy Michael  
Supervisor/Land Department

KM:st  
Attachments  
cc: Working Interest Owners

SAN JUAN 29-5 UNIT  
WORKING INTEREST OWNERS

Sun Gas Division  
Sun Exploration & Production Co.  
P. O. Box 20  
Dallas, Texas 75221

Koch Industries  
P. O. Box 2256  
Wichita, Kansas 67201

Amoco Production Company  
Attn: J. C. Burnside  
1670 Broadway - Suite 1914  
Amoco Building  
Denver, Colorado 80202

El Paso Exploration Co.  
Attn: Mr. James R. Permenter  
P. O. Box 1492  
El Paso, Texas 79978

Mrs. Catherine B. McElvain  
Individually & as Executrix of the  
Estate of T. H. McElvain, Deceased  
P. O. Box 2148  
Santa Fe, New Mexico 87501

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas, Texas 75221

Nancy Ridgely  
344 North Stanbery Avenue  
Columbus, Ohio 43209

Phillips Petroleum Company  
Attn: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

Ms. Mabelle M. Miller  
Corinne Miller Gay Trust  
Maydell Miller Mast Trust  
James M. Raymond  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Phillips Oil Company  
Attn: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

Wiser Oil Company  
905 Oil & Gas Building  
Wichita Falls, Texas 76301

Mr. James E. McElvain, Executor  
for the Estate of Carl R. McElvain, Deceased  
309 W. Jefferson Street  
Morris, Illinois 60450

Mr. Tom Bolack and the Estate  
of Alice N. Bolack  
Bolack Mineral Co.  
Star Route 3, Box 47  
Farmington, New Mexico 87401

Ruth M. Vaughan  
300 Caversham Road  
Bryn Mawr, Penn. 19010

Brenda Petke  
18 Shadow Lane  
Chadds Ford, Penn. 19317

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION                         | NUMBER<br>OF ACRES | OWNERSHIP                 | DRILLING BLOCK |             | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|---------------|-------------------------------------|--------------------|---------------------------|----------------|-------------|-------------------------|---------------------------------|
|               |                                     |                    |                           |                | PERCENTAGE  |                         |                                 |
| TRACT 1       |                                     |                    |                           |                |             |                         |                                 |
| SF 078277     | T-29-N, R-5-W                       | 788.50             | Royalty;                  |                | 12.500000%  | 12.500000%              | 5.354941%                       |
|               | Sec. 7: E/2,                        |                    | Working Interest:         |                |             |                         |                                 |
|               | Lots 1,2,3,                         |                    | Northwest Pipeline Corp.; |                | 83.500000%  | 83.500000%              |                                 |
|               | N/2, NW/4                           |                    | ORRI;                     |                | 4.000000%   | 4.000000%               |                                 |
|               | Sec. 18: SW/4, W/2NW/4,<br>SE/4NW/4 |                    | Total                     |                | 100.000000% | 100.000000%             |                                 |
| TRACT 2       |                                     |                    |                           |                |             |                         |                                 |
| SF 078281     | T-29-N, R-5-W                       | 1,280.00           | Royalty;                  |                | 12.500000%  | 12.500000%              | 8.692865%                       |
|               | Sec. 17: All                        |                    | Working Interest:         |                |             |                         |                                 |
|               | Sec. 18: E/2                        |                    | Northwest Pipeline Corp.; |                | 83.500000%  | 83.500000%              |                                 |
|               | Sec. 20: N/2                        |                    | ORRI;                     |                | 4.000000%   | 4.000000%               |                                 |
|               |                                     |                    | Total                     |                | 100.000000% | 100.000000%             |                                 |
| TRACT 3       |                                     |                    |                           |                |             |                         |                                 |
| SF 078282     | T-29-N, R-5-W                       | 680.00             | Royalty;                  |                | 12.500000%  | 12.500000%              | 4.618085%                       |
|               | Sec. 19: All                        |                    | Working Interest:         |                |             |                         |                                 |
|               | Sec. 30: SE/4SE/4                   |                    | Northwest Pipeline Corp.; |                | 83.500000%  | 83.500000%              |                                 |
|               |                                     |                    | ORRI;                     |                | 4.000000%   | 4.000000%               |                                 |
|               |                                     |                    | Total                     |                | 100.000000% | 100.000000%             |                                 |

Effective July 1, 1981

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION        | NUMBER<br>OF ACRES | OWNERSHIP                                                                         | DRILLING BLOCK |             | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|---------------|--------------------|--------------------|-----------------------------------------------------------------------------------|----------------|-------------|-------------------------|---------------------------------|
|               |                    |                    |                                                                                   |                |             |                         |                                 |
| SF 078282     | T-29-N, R-5-W      | 600.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;               |                | 12.500000%  | 12.500000%              | 4.074780%                       |
|               | Sec. 29: N/2, SW/4 |                    |                                                                                   |                |             |                         |                                 |
|               | Sec. 31: NE/4NE/4  |                    |                                                                                   | 83.000000%     | 83.000000%  | 83.000000%              |                                 |
|               | N/2NW/4            |                    |                                                                                   | 4.500000%      | 4.500000%   | 4.500000%               |                                 |
|               |                    | Total              |                                                                                   | 100.000000%    | 100.000000% | 100.000000%             |                                 |
| SF 078305     | T-29-N, R-5-W      | 320.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;               |                | 12.500000%  | 12.500000%              | 2.173216%                       |
|               | Sec. 6: SW/4       |                    |                                                                                   |                |             |                         |                                 |
|               | Sec. 8: SE/4       |                    |                                                                                   | 82.500000%     | 82.500000%  | 82.500000%              |                                 |
|               |                    |                    |                                                                                   | 5.000000%      | 5.000000%   | 5.000000%               |                                 |
|               |                    | Total              |                                                                                   | 100.000000%    | 100.000000% | 100.000000%             |                                 |
| NM 011348     | T-29-N, R-5-W      | 80.00              | Royalty;<br>Working Interest:<br>El Paso Natural Gas Co.;<br>Tom Bolack;<br>ORRI; |                | 12.500000%  | 12.500000%              | 0.543304%                       |
|               | Sec. 33: W/2NE/4   |                    |                                                                                   |                |             |                         |                                 |
|               |                    |                    |                                                                                   | 41.250000%     | 41.250000%  | 41.250000%              |                                 |
|               |                    |                    |                                                                                   | 41.250000%     | 41.250000%  | 41.250000%              |                                 |
|               |                    | Total              |                                                                                   | 100.000000%    | 100.000000% | 100.000000%             |                                 |
| NM 011348     | T-29-N, R-5-W      | 120.00             | Royalty;<br>Working Interest:<br>Tom Bolack<br>Total                              |                | 12.500000%  | 12.500000%              | 0.814956%                       |
|               | Sec. 31: N/2SE/4   |                    |                                                                                   |                |             |                         |                                 |
|               | NE/4SW/4           |                    |                                                                                   | 87.500000%     | 87.500000%  | 87.500000%              |                                 |
|               |                    |                    |                                                                                   | 100.000000%    | 100.000000% | 100.000000%             |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER    | DESCRIPTION                                                                | NUMBER<br>OF ACRES | OWNERSHIP                                                                    | DRILLING BLOCK                                            | PERCENTAGE<br>COMMITTED | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|------------------|----------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------|-------------------------|---------------------------------|
| <u>TRACT 4-C</u> |                                                                            |                    |                                                                              |                                                           |                         |                         |                                 |
| NM 011348-A      | T-29-N, R-5-W<br>Sec. 33: E/2NW/4                                          | 80.00              | Royalty;<br>Working Interest;<br>American Petrofina Co. of Tx.<br>Total      | 12.5000000%<br>12.5000000%<br>87.5000000%<br>100.0000000% | 12.5000000%             | 0.543304%               |                                 |
| <u>TRACT 5</u>   |                                                                            |                    |                                                                              |                                                           |                         |                         |                                 |
| SF 078343        | T-29-N, R-5-W<br>Sec. 5: Lots 1,<br>2,3,4,<br>S/2N/2                       | 322.24             | Royalty;<br>Working Interest;<br>Northwest Pipeline Corp.,<br>ORRI;<br>Total | 12.5000000%<br>83.0000000%<br>4.5000000%<br>100.0000000%  | 12.5000000%             | 2.188429%               |                                 |
| <u>TRACT 6</u>   |                                                                            |                    |                                                                              |                                                           |                         |                         |                                 |
| SF 078410        | T-29-N, R-5-W<br>Sec. 6: Lots 1,<br>2,3,4,<br>S/2N/2, SE/4<br>Sec. 8: NE/4 | 640.88             | Royalty;<br>Working Interest;<br>Northwest Pipeline Corp.,<br>ORRI;<br>Total | 12.5000000%<br>82.5000000%<br>5.0000000%<br>100.0000000%  | 12.5000000%             | 4.352409%               |                                 |
| <u>TRACT 6-A</u> |                                                                            |                    |                                                                              |                                                           |                         |                         |                                 |
| SF 078410-A      | T-29-N, R-5-W<br>Sec. 31: S/2SE/4,<br>SE/4SW/4                             | 120.00             | Royalty;<br>Working Interest;<br>El Paso Natural Gas Co.;<br>ORRI;<br>Total  | 12.5000000%<br>82.5000000%<br>5.0000000%<br>100.0000000%  | 12.5000000%             | 0.814956%               |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER    | DESCRIPTION                                                             | NUMBER<br>OF ACRES | OWNERSHIP                                                           | DRILLING BLOCK | PERCENTAGE<br>COMMITTED | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|------------------|-------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------|----------------|-------------------------|-------------------------|---------------------------------|
| <u>TRACT 6-B</u> |                                                                         |                    |                                                                     |                |                         |                         |                                 |
| SF 078410        | T-29-N, R-5-W<br>Sec. 8: NW/4                                           | 160.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 1.086608%                       |
|                  | Total                                                                   |                    |                                                                     |                | 82.500000%              | 82.500000%              |                                 |
|                  |                                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                  |                                                                         |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 7</u>   |                                                                         |                    |                                                                     |                |                         |                         |                                 |
| SF 078412        | T-29-N, R-5-W<br>Sec. 34: SE/4SW/4,<br>S/2SE/4<br>NE/4SE/4,<br>SE/4NE/4 | 200.00             | Royalty;<br>Working Interest:<br>El Paso Natural Gas Co.;<br>ORRI;  |                | 12.500000%              | 12.500000%              | 1.358260%                       |
|                  | Total                                                                   |                    |                                                                     |                | 82.500000%              | 82.500000%              |                                 |
|                  |                                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                  |                                                                         |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 8</u>   |                                                                         |                    |                                                                     |                |                         |                         |                                 |
| SF 078642        | T-29-N, R-5-W<br>Sec. 5: N/2SW/4,<br>SE/4<br>Sec. 9: SE/4               | 400.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 2.716520%                       |
|                  | Total                                                                   |                    |                                                                     |                | 82.500000%              | 82.500000%              |                                 |
|                  |                                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                  |                                                                         |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 12</u>  |                                                                         |                    |                                                                     |                |                         |                         |                                 |
| SF 078917        | T-29-N, R-5-W<br>Sec. 26: All<br>Sec. 35: W/2                           | 960.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 6.519649%                       |
|                  | Total                                                                   |                    |                                                                     |                | 82.500000%              | 82.500000%              |                                 |
|                  |                                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                  |                                                                         |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION                                        | NUMBER<br>OF ACRES | OWNERSHIP                                                                        | DRILLING BLOCK |             | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|---------------|----------------------------------------------------|--------------------|----------------------------------------------------------------------------------|----------------|-------------|-------------------------|---------------------------------|
|               |                                                    |                    |                                                                                  |                |             |                         |                                 |
| SF 079033     | T-29-N, R-5-W<br>Sec. 23: W/2                      | 320.00             | Royalty;<br>Working Interest:<br>El Paso Natural Gas Co.;<br>ORRI;<br><br>Total  | 12.500000%     | 12.500000%  | 2.173216%               |                                 |
|               |                                                    |                    |                                                                                  | 84.500000%     | 84.500000%  |                         |                                 |
|               |                                                    |                    |                                                                                  | 3.000000%      | 3.000000%   |                         |                                 |
|               |                                                    |                    |                                                                                  | 100.000000%    | 100.000000% |                         |                                 |
|               |                                                    |                    |                                                                                  |                |             |                         |                                 |
| SF 079851     | T-29-N, R-5-W<br>Sec. 39: N/2, N/2<br>S/2, S/2SW/4 | 560.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;<br><br>Total | 12.500000%     | 12.500000%  | 3.803128%               |                                 |
|               |                                                    |                    |                                                                                  | 83.000000%     | 83.000000%  |                         |                                 |
|               |                                                    |                    |                                                                                  | 4.500000%      | 4.500000%   |                         |                                 |
|               |                                                    |                    |                                                                                  | 100.000000%    | 100.000000% |                         |                                 |
|               |                                                    |                    |                                                                                  |                |             |                         |                                 |
| SF 079944     | T-29-N, R-5-W<br>Sec. 22: S/2SE/4                  | 80.00              | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;<br><br>Total | 12.500000%     | 12.500000%  | 0.543304%               |                                 |
|               |                                                    |                    |                                                                                  | 82.500000%     | 82.500000%  |                         |                                 |
|               |                                                    |                    |                                                                                  | 5.000000%      | 5.000000%   |                         |                                 |
|               |                                                    |                    |                                                                                  | 100.000000%    | 100.000000% |                         |                                 |
|               |                                                    |                    |                                                                                  |                |             |                         |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER     | DESCRIPTION                                | NUMBER<br>OF ACRES | OWNERSHIP                     | DRILLING BLOCK |                    | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|-------------------|--------------------------------------------|--------------------|-------------------------------|----------------|--------------------|-------------------------|---------------------------------|
|                   |                                            |                    |                               |                | PERCENTAGE         |                         |                                 |
| NM 011349         | T-29-N, R-5-W<br>Sec. 27: SW/4             | 160.00             | Royalty;                      |                | 12.500000%         | 12.500000%              | 1.086608%                       |
|                   |                                            |                    | Working Interest:             |                |                    |                         |                                 |
|                   |                                            |                    | El Paso Natural Gas Co.;      |                | 41.250000%         | 41.250000%              |                                 |
|                   |                                            |                    | Tom Bolack;                   |                | 41.250000%         | 41.250000%              |                                 |
|                   |                                            |                    | ORRI;                         |                | 5.000000%          | 5.000000%               |                                 |
|                   |                                            |                    | Total                         |                | <u>100.000000%</u> | <u>100.000000%</u>      |                                 |
| <u>TRACT 16-B</u> |                                            |                    |                               |                |                    |                         |                                 |
| NM 011349-A       | T-29-N, R-5-W<br>Sec. 27: S/2NW/4,<br>NE/4 | 240.00             | Royalty;                      |                | 12.500000%         | 12.500000%              | 1.629912%                       |
|                   |                                            |                    | Working Interest:             |                |                    |                         |                                 |
|                   |                                            |                    | American Petrofina Co. of Tx. |                | 87.500000%         | 87.500000%              |                                 |
|                   |                                            |                    | Total                         |                | <u>100.000000%</u> | <u>100.000000%</u>      |                                 |
| <u>TRACT 16-C</u> |                                            |                    |                               |                |                    |                         |                                 |
| NM 011349-B       | T-29-N, R-5-W<br>Sec. 27: SE/4             | 160.00             | Royalty;                      |                | 12.500000%         | 12.500000%              | 1.086608%                       |
|                   |                                            |                    | Working Interest:             |                |                    |                         |                                 |
|                   |                                            |                    | El Paso Natural Gas Co.;      |                | 82.500000%         | 82.500000%              |                                 |
|                   |                                            |                    | ORRI;                         |                | 5.000000%          | 5.000000%               |                                 |
|                   |                                            |                    | Total                         |                | <u>100.000000%</u> | <u>100.000000%</u>      |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION                                                                  | NUMBER<br>OF ACRES | OWNERSHIP                                                                         | DRILLING BLOCK |             | PERCENTAGE<br>COMMITTED                | PRESENT ACTUAL<br>PARTICIPATION |
|---------------|------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|----------------|-------------|----------------------------------------|---------------------------------|
|               |                                                                              |                    |                                                                                   |                |             |                                        |                                 |
| TRACT 17      |                                                                              |                    |                                                                                   |                |             |                                        |                                 |
| SF 080069     | T-29-N, R-5-W<br>Sec. 5: S/2SW/4<br>Sec. 9: SW/4<br>Sec. 15: S/2             | 560.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;               | 12.500000%     | 12.500000%  | 12.500000%                             | 3.803128%                       |
|               | Total                                                                        |                    |                                                                                   | 100.000000%    | 100.000000% | 100.000000%                            |                                 |
| TRACT 17-A    |                                                                              |                    |                                                                                   |                |             |                                        |                                 |
| NM 011350     | T-29-N, R-5-W<br>Sec. 33: E/2E/2,<br>W/2SE/4                                 | 240.00             | Royalty;<br>Working Interest:<br>El Paso Natural Gas Co.,<br>Tom Bolack;<br>ORRI; | 12.500000%     | 12.500000%  | 12.500000%                             | 1.629912%                       |
|               | Total                                                                        |                    |                                                                                   | 100.000000%    | 100.000000% | 100.000000%                            |                                 |
| TRACT 17-B    |                                                                              |                    |                                                                                   |                |             |                                        |                                 |
| NM 011350-A   | T-29-N, R-5-W<br>Sec. 33: S/2SW/4<br>Sec. 34: W/2W/2,<br>NE/4NW/4<br>N/2NE/4 | 360.00             | Royalty;<br>Working Interest:<br>American Petrofina Co. of Tx.<br>Total           | 12.500000%     | 12.500000%  | 87.500000%<br>100.000000%              | 2.444868%                       |
| TRACT 17-C    |                                                                              |                    |                                                                                   |                |             |                                        |                                 |
| SF 080069     | T-29-N, R-5-W<br>Sec. 22: N/2NE/4,<br>SE/4NE/4                               | 120.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.,<br>ORRI;               | 12.500000%     | 12.500000%  | 82.500000%<br>5.000000%<br>100.000000% | 0.814956%                       |
|               | Total                                                                        |                    |                                                                                   | 100.000000%    | 100.000000% | 100.000000%                            |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER     | DESCRIPTION                                            | NUMBER<br>OF ACRES | OWNERSHIP                                                           | DRILLING BLOCK | PERCENTAGE<br>COMMITTED | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|-------------------|--------------------------------------------------------|--------------------|---------------------------------------------------------------------|----------------|-------------------------|-------------------------|---------------------------------|
| <u>TRACT 18</u>   |                                                        |                    |                                                                     |                |                         |                         |                                 |
| SF 080179         | T-29-N, R-5-W<br>Sec. 9: N/2                           | 320.00             | Royalty;<br>Working Interest;<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 2.173216%                       |
|                   | Total                                                  |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 20</u>   |                                                        |                    |                                                                     |                |                         |                         |                                 |
| SF 081114         | T-29-N, R-5-W<br>Sec. 4: Lots 3,4,<br>S/2NW/4,<br>SW/4 | 321.60             | Royalty;<br>Working Interest;<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 2.184082%                       |
|                   | Total                                                  |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 21</u>   |                                                        |                    |                                                                     |                |                         |                         |                                 |
| NM 03188          | T-29-N, R-5-W<br>Sec. 8: SW/4<br>Sec. 20: S/2          | 480.00             | Royalty;<br>Working Interest;<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 3.259824%                       |
|                   | Total                                                  |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 21-A</u> |                                                        |                    |                                                                     |                |                         |                         |                                 |
| NM 03188          | T-29-N, R-5-W<br>Sec. 29: SE/4                         | 160.00             | Royalty;<br>Working Interest;<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 1.086608%                       |
|                   | Total                                                  |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER     | DESCRIPTION                                                    | NUMBER<br>OF ACRES | OWNERSHIP                                                           | DRILLING BLOCK | PERCENTAGE<br>COMMITTED | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|-------------------|----------------------------------------------------------------|--------------------|---------------------------------------------------------------------|----------------|-------------------------|-------------------------|---------------------------------|
| <u>TRACT 21-B</u> |                                                                |                    |                                                                     |                |                         |                         |                                 |
| NM 03188          | T-29-N, R-5-W<br>Sec. 28: N/2NW/4,<br>SW/4NW/4<br>S/2SW/4      | 200.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 1.358260%                       |
|                   |                                                                |                    | Total                                                               |                | 83.500000%              | 83.500000%              |                                 |
|                   |                                                                |                    |                                                                     |                | 4.000000%               | 4.000000%               |                                 |
|                   |                                                                |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 21-C</u> |                                                                |                    |                                                                     |                |                         |                         |                                 |
| NM 03188          | T-29-N, R-5-W<br>Sec. 21: W/2,<br>W/2NE/4,<br>NW/4SE/4         | 440.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 2.988172%                       |
|                   |                                                                |                    | Total                                                               |                | 82.500000%              | 82.500000%              |                                 |
|                   |                                                                |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                   |                                                                |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 22</u>   |                                                                |                    |                                                                     |                |                         |                         |                                 |
| E 289-3           | T-29-N, R-5-W<br>Sec. 16: NW/4,<br>N/2SW/4<br>Sec. 32: W/2NW/4 | 320.00             | Royalty;<br>Working Interest:<br>Wiser Oil Co.;<br>Total            |                | 12.500000%              | 12.500000%              | 2.173216%                       |
|                   |                                                                |                    |                                                                     |                | 87.500000%              | 87.500000%              |                                 |
|                   |                                                                |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |
| <u>TRACT 22-A</u> |                                                                |                    |                                                                     |                |                         |                         |                                 |
| E 289-35          | T-29-N, R-5-W<br>Sec. 32: E/2SE/4                              | 80.00              | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 0.543304%                       |
|                   |                                                                |                    | Total                                                               |                | 82.500000%              | 82.500000%              |                                 |
|                   |                                                                |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                   |                                                                |                    |                                                                     |                | <u>100.000000%</u>      | <u>100.000000%</u>      |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER     | DESCRIPTION                                             | NUMBER<br>OF ACRES | OWNERSHIP                                                           | DRILLING BLOCK | PERCENTAGE<br>COMMITTED | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|-------------------|---------------------------------------------------------|--------------------|---------------------------------------------------------------------|----------------|-------------------------|-------------------------|---------------------------------|
| <u>TRACT 22-C</u> |                                                         |                    |                                                                     |                |                         |                         |                                 |
| E 289-36          | T-29-N, R-5-W<br>Sec. 32: NE/4,<br>SE/4NW/4,<br>W/2SW/4 | 280.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 1.901564%                       |
|                   |                                                         |                    | Total                                                               |                | 82.500000%              | 82.500000%              |                                 |
|                   |                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                   |                                                         |                    |                                                                     |                | 100.000000%             | 100.000000%             |                                 |
| <u>TRACT 22-D</u> |                                                         |                    |                                                                     |                |                         |                         |                                 |
| E 289-31          | T-29-N, R-5-W<br>Sec. 32: NE/4NW/4                      | 40.00              | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 0.271652%                       |
|                   |                                                         |                    | Total                                                               |                | 82.500000%              | 82.500000%              |                                 |
|                   |                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                   |                                                         |                    |                                                                     |                | 100.000000%             | 100.000000%             |                                 |
| <u>TRACT 22-G</u> |                                                         |                    |                                                                     |                |                         |                         |                                 |
| E 289-36          | T-29-N, R-5-W<br>Sec. 16: W/2NE/4,<br>SE/4SW/4,<br>SE/4 | 280.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 1.901564%                       |
|                   |                                                         |                    | Total                                                               |                | 82.500000%              | 82.500000%              |                                 |
|                   |                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                   |                                                         |                    |                                                                     |                | 100.000000%             | 100.000000%             |                                 |
| <u>TRACT 22-H</u> |                                                         |                    |                                                                     |                |                         |                         |                                 |
| E 289-31          | T-29-N, R-5-W<br>Sec. 16: E/2NE/4,<br>SW/4SW/4          | 120.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; |                | 12.500000%              | 12.500000%              | 0.814956%                       |
|                   |                                                         |                    | Total                                                               |                | 82.500000%              | 82.500000%              |                                 |
|                   |                                                         |                    |                                                                     |                | 5.000000%               | 5.000000%               |                                 |
|                   |                                                         |                    |                                                                     |                | 100.000000%             | 100.000000%             |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION                                                          | NUMBER<br>OF ACRES | OWNERSHIP                                                           | DRILLING BLOCK |  | PERCENTAGE<br>COMMITTED | PERCENTAGE<br>ACTUAL<br>PARTICIPATION |
|---------------|----------------------------------------------------------------------|--------------------|---------------------------------------------------------------------|----------------|--|-------------------------|---------------------------------------|
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
| Fee           | T-29-N, R-5-W<br>Sec. 18: NE/4NW/4                                   | 40.00              | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; | TRACT 24       |  | 12.500000%              | 0.271652%                             |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 12.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 83.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 4.0000000%     |  |                         |                                       |
|               |                                                                      |                    | Total                                                               | 100.0000000%   |  |                         |                                       |
| Fee           | T-29-N, R-5-W<br>Tract 37 Less North<br>10.46 acres<br>Sec. 7: Lot 4 | 121.04             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; | TRACT 24-A     |  | 12.5000000%             | 0.822019%                             |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 12.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 83.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 4.0000000%     |  |                         |                                       |
|               |                                                                      |                    | Total                                                               | 100.0000000%   |  |                         |                                       |
| Fee           | T-29-N, R-5-W<br>North 10.46 acres<br>Tract 37                       | 10.46              | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; | TRACT 24-B     |  | 12.5000000%             | 0.071037%                             |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 12.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 83.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 4.0000000%     |  |                         |                                       |
|               |                                                                      |                    | Total                                                               | 100.0000000%   |  |                         |                                       |
| Fee           | T-29-N, R-5-W<br>Sec. 15: NW/4                                       | 160.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI; | TRACT 26       |  | 12.5000000%             | 1.086608%                             |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     |                |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 12.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 83.5000000%    |  |                         |                                       |
|               |                                                                      |                    |                                                                     | 4.0000000%     |  |                         |                                       |
|               |                                                                      |                    | Total                                                               | 100.0000000%   |  |                         |                                       |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER     | DESCRIPTION                | NUMBER<br>OF ACRES | OWNERSHIP                 | DRILLING BLOCK     |                    | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|-------------------|----------------------------|--------------------|---------------------------|--------------------|--------------------|-------------------------|---------------------------------|
|                   |                            |                    |                           | PERCENTAGE         |                    |                         |                                 |
| <u>TRACT 27</u>   |                            |                    |                           |                    |                    |                         |                                 |
| Fee               | T-29-N, R-5-W              | 159.00             | Royalty;                  | 12.500000%         | 12.500000%         |                         | 1.079817%                       |
|                   | Sec. 21: E/2NE/4           |                    | Working Interest;         |                    |                    |                         |                                 |
|                   | Sec. 22: W/2NW/4           |                    | Northwest Pipeline Corp.; | 83.500000%         | 83.500000%         |                         |                                 |
|                   | Less 1 acre                |                    | ORRI;                     | 4.000000%          | 4.000000%          |                         |                                 |
|                   |                            |                    | Total                     | <u>100.000000%</u> | <u>100.000000%</u> |                         |                                 |
| <u>TRACT 27-A</u> |                            |                    |                           |                    |                    |                         |                                 |
| Fee               | T-29-N, R-5-W              | 1.00               | Royalty;                  | 12.500000%         | 12.500000%         |                         | 0.006792%                       |
|                   | Sec. 22: 1 acre out        |                    | Working Interest;         |                    |                    |                         |                                 |
|                   | of SW corner of<br>W/2NW/4 |                    | Northwest Pipeline Corp.; | 87.500000%         | 87.500000%         |                         |                                 |
|                   |                            |                    | Total                     | <u>100.000000%</u> | <u>100.000000%</u> |                         |                                 |
| <u>TRACT 28</u>   |                            |                    |                           |                    |                    |                         |                                 |
| Fee               | T-29-N, R-5-W              | 120.00             | Working Interest;         |                    |                    |                         | 00.0000000%                     |
|                   | Sec. 21: SE/4SE/4          |                    | Larry Mizel;              | 11.250000%         | 00.000000%         |                         |                                 |
|                   | Sec. 28: E/2NE/4           |                    | Steven Mayer Mizel;       | 11.250000%         | 00.000000%         |                         |                                 |
|                   |                            |                    | Gary Dean Mizel;          | 11.250000%         | 00.000000%         |                         |                                 |
|                   |                            |                    | Vicki Mizel;              | 11.250000%         | 00.000000%         |                         |                                 |
|                   |                            |                    | Ann Fisher;               | 10.000000%         | 00.000000%         |                         |                                 |
|                   |                            |                    | Saul Yager;               | 45.000000%         | 00.000000%         |                         |                                 |
|                   |                            |                    | Total                     | <u>100.000000%</u> | <u>00.000000%</u>  |                         |                                 |
|                   | Sec. 21: NE/4SE/4          | 40.00              | Working Interest;         | 100.000000%        | 00.000000%         |                         | 00.0000000%                     |
|                   |                            |                    | Sam Lack;                 |                    |                    |                         |                                 |

Effective July 1, 1981

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION                                                                                                | NUMBER<br>OF ACRES | OWNERSHIP                                                                    | DRILLING BLOCK |             | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|---------------|------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------|----------------|-------------|-------------------------|---------------------------------|
|               |                                                                                                            |                    |                                                                              |                |             |                         |                                 |
| TRACT 29      |                                                                                                            |                    |                                                                              |                |             |                         |                                 |
| Fee           | T-29-N, R-5-W<br>Sec. 28: SE/4,<br>N/2SW/4,<br>SE/4NW/4,<br>SW/4NE/4                                       | 320.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;<br>Total | 12.500000%     | 12.500000%  | 12.500000%              | 2.173216%                       |
|               |                                                                                                            |                    |                                                                              | 85.000000%     | 85.000000%  | 85.000000%              |                                 |
|               |                                                                                                            |                    |                                                                              | 2.500000%      | 2.500000%   | 2.500000%               |                                 |
|               |                                                                                                            |                    |                                                                              | 100.000000%    | 100.000000% | 100.000000%             |                                 |
| TRACT 30      |                                                                                                            |                    |                                                                              |                |             |                         |                                 |
| Fee           | T-29-N, R-5-W<br>Sec. 30: SW/4SE/4<br>Sec. 31: W/2NE/4,<br>SE/4NE/4,<br>SE/4NW/4,<br>N/2SW/4NW/4           | 220.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.<br>ORRI;<br>Total  | 12.500000%     | 12.500000%  | 12.500000%              | 1.494086%                       |
|               |                                                                                                            |                    |                                                                              | 83.500000%     | 83.500000%  | 83.500000%              |                                 |
|               |                                                                                                            |                    |                                                                              | 4.000000%      | 4.000000%   | 4.000000%               |                                 |
|               |                                                                                                            |                    |                                                                              | 100.000000%    | 100.000000% | 100.000000%             |                                 |
| TRACT 31      |                                                                                                            |                    |                                                                              |                |             |                         |                                 |
| Fee           | T-29-N, R-5-W<br>Sec. 34: SW/4NE/4,<br>NW/4SE/4,<br>SE/4NW/4,<br>NE/4SW/4<br>less 32 acres<br>in SW corner | 128.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;<br>Total | 12.500000%     | 12.500000%  | 12.500000%              | 0.869287%                       |
|               |                                                                                                            |                    |                                                                              | 84.500000%     | 84.500000%  | 84.500000%              |                                 |
|               |                                                                                                            |                    |                                                                              | 3.000000%      | 3.000000%   | 3.000000%               |                                 |
|               |                                                                                                            |                    |                                                                              | 100.000000%    | 100.000000% | 100.000000%             |                                 |

Effective July 1, 1981

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER   | DESCRIPTION                                                           | NUMBER<br>OF ACRES | OWNERSHIP                                                                                         | DRILLING BLOCK | PERCENTAGE<br>COMMITTED                        | PERCENTAGE<br>COMMITTED                        | PRESENT ACTUAL<br>PARTICIPATION |
|-----------------|-----------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------|----------------|------------------------------------------------|------------------------------------------------|---------------------------------|
| <u>TRACT 32</u> |                                                                       |                    |                                                                                                   |                |                                                |                                                |                                 |
| Fee             | T-29-N, R-5-W<br>Sec. 34: 32 acres out<br>of SW corner<br>of NE/4SW/4 | 32.00              | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;                               |                | 12.500000%                                     | 12.500000%                                     | 0.217322%                       |
|                 |                                                                       |                    | Total                                                                                             |                | 84.500000%<br>3.000000%<br><u>100.000000%</u>  | 84.500000%<br>3.000000%<br><u>100.000000%</u>  |                                 |
| <u>TRACT 33</u> |                                                                       |                    |                                                                                                   |                |                                                |                                                |                                 |
| Fee             | T-29-N, R-5-W<br>Sec. 31: W/2SW/4,<br>S/2SW/4NW/4                     | 100.00             | Royalty;<br>Working Interest:<br>American Petrofina Co. of Tx.<br>Koch Industries, Inc.;<br>Total |                | 12.500000%                                     | 12.500000%                                     | 0.679130%                       |
|                 |                                                                       |                    |                                                                                                   |                | 21.875000%<br>65.625000%<br><u>100.000000%</u> | 21.875000%<br>65.625000%<br><u>100.000000%</u> |                                 |
| <u>TRACT 34</u> |                                                                       |                    |                                                                                                   |                |                                                |                                                |                                 |
| Fee             | T-29-N, R-5-W<br>Sec. 32: E/2SW/4,<br>W/4SE/4                         | 160.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>Total                               |                | 12.500000%                                     | 12.500000%                                     | 1.086608%                       |
|                 |                                                                       |                    |                                                                                                   |                | 87.500000%<br><u>100.000000%</u>               | 87.500000%<br><u>100.000000%</u>               |                                 |
| <u>TRACT 35</u> |                                                                       |                    |                                                                                                   |                |                                                |                                                |                                 |
| Fee             | T-29-N, R-5-W<br>Sec. 33: W/2NW/4,<br>N/2SW/4                         | 160.00             | Royalty;<br>Working Interest:<br>Northwest Pipeline Corp.;<br>ORRI;<br>Total                      |                | 12.500000%                                     | 12.500000%                                     | 1.086608%                       |
|                 |                                                                       |                    |                                                                                                   |                | 82.500000%<br>5.000000%<br><u>100.000000%</u>  | 82.500000%<br>5.000000%<br><u>100.000000%</u>  |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION                                                  | NUMBER<br>OF ACRES | OWNERSHIP                     | DRILLING BLOCK |             | PERCENTAGE<br>COMMITTED | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|---------------|--------------------------------------------------------------|--------------------|-------------------------------|----------------|-------------|-------------------------|-------------------------|---------------------------------|
|               |                                                              |                    |                               |                |             |                         |                         |                                 |
| TRACT 37      |                                                              |                    |                               |                |             |                         |                         |                                 |
| Fee           | T-29-N, R-5-W                                                | 80.00              | Royalty;<br>Working Interest; |                | 12.500000%  | 12.500000%              |                         | 0.543304%                       |
|               | Sec. 21: SW/4SE/4                                            |                    | Northwest Pipeline Corp.;     |                | 87.500000%  | 87.500000%              |                         |                                 |
|               | Sec. 28: NW/4NE/4                                            |                    | Total                         |                | 100.000000% | 100.000000%             |                         |                                 |
| TRACT 38      |                                                              |                    |                               |                |             |                         |                         |                                 |
| Fee           | T-29-N, R-5-W                                                | 318.00             | Royalty;<br>Working Interest; |                | 12.500000%  | 12.500000%              |                         | 2.159634%                       |
|               | Sec. 22: E/2NW/4,<br>SW/4 less 2<br>acres out of<br>NE/4SW/4 |                    | Northwest Pipeline Corp.;     |                | 87.500000%  | 87.500000%              |                         |                                 |
|               | Sec. 27: N/2NW/4                                             |                    | Total                         |                | 100.000000% | 100.000000%             |                         |                                 |
| TRACT 38-A    |                                                              |                    |                               |                |             |                         |                         |                                 |
| Fee           | T-29-N, R-5-W                                                | 1.00               | Royalty;<br>Working Interest; |                | 12.500000%  | 12.500000%              |                         | 0.006792%                       |
|               | Sec. 22: 1 acre in<br>NW/4SE/4                               |                    | Northwest Pipeline Corp.;     |                | 87.500000%  | 87.500000%              |                         |                                 |
|               |                                                              |                    | Total                         |                | 100.000000% | 100.000000%             |                         |                                 |
| TRACT 38-B    |                                                              |                    |                               |                |             |                         |                         |                                 |
| Fee           | T-29-N, R-5-W                                                | 2.00               | Royalty;<br>Working Interest; |                | 12.500000%  | 12.500000%              |                         | 0.013583%                       |
|               | Sec. 22: 2 acres<br>out of<br>NE/4SW/4                       |                    | Northwest Pipeline Corp.;     |                | 87.500000%  | 87.500000%              |                         |                                 |
|               |                                                              |                    | Total                         |                | 100.000000% | 100.000000%             |                         |                                 |

SCHEDULE XXIV  
AMENDED TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 29-5 UNIT AREA

| SERIAL NUMBER | DESCRIPTION               | NUMBER<br>OF ACRES | OWNERSHIP                 | DRILLING BLOCK |  | PERCENTAGE<br>COMMITTED | PRESENT ACTUAL<br>PARTICIPATION |
|---------------|---------------------------|--------------------|---------------------------|----------------|--|-------------------------|---------------------------------|
|               |                           |                    |                           |                |  |                         |                                 |
| TRACT 38-C    |                           |                    |                           |                |  |                         |                                 |
| Fee           | T-29-N, R-5-W             | 119.00             | Royalty;                  |                |  | 12.500000%              | 0.808165%                       |
|               | Sec. 22: SW/4NE/4,        |                    | Working Interest:         |                |  |                         |                                 |
|               | N/2SE/4 less              |                    | Northwest Pipeline Corp.; |                |  | 87.500000%              |                                 |
|               | 1 acre out of<br>NW/4SE/4 |                    | Total                     |                |  | <u>100.000000%</u>      | <u>100.000000%</u>              |

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