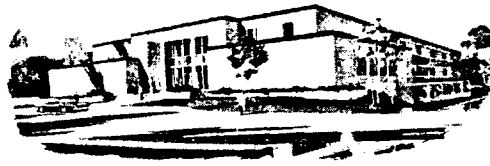




JIM BACA  
COMMISSIONER

State of New Mexico



Commissioner of Public Lands

November 8, 1983

#418

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

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

Re: San Juan 29-5 Unit  
Rio Arriba County, New Mexico  
AMENDED FOURTH REVISION AND THE  
FIFTH AND SIXTH REVISIONS TO THE  
PICTURED CLIFFS PARTICIPATING AREA

ATTENTION: Ms. Kathy Michael

Gentlemen:

This office is in receipt of three copies each of the Amended Fourth Expanded Participating Area for the Pictured Cliffs formation, Effective July 1, 1981, the Fifth Expanded Participating Area for the Pictured Cliffs Formation, Effective August 1, 1981 and the Sixth Expanded Participating Area for the Pictured Cliffs Formation Effective as of September 1, 1981.

Inasmuch as this needs no official approval, we have this date filed two copies in our unit files. Enclosed is one copy for your files reflecting the date this was received in our office.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

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

JB/RDG/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico  
BLM-Roswell, New Mexico

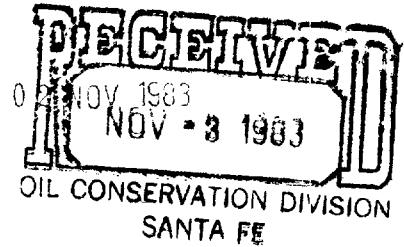


# United States Department of the Interior

IN REPLY REFER TO  
San Juan 29-5

## BUREAU OF LAND MANAGEMENT

505 Marquette Avenue N.W., Suite 815  
Albuquerque, New Mexico 87102



Northwest Pipeline Corporation  
Attention: Kathy Michael  
1125 Seventeenth Street, Suite 2140  
Denver, Colorado 80202

Gentlemen:

Enclosed is a copy of the amended fourth revision and the fifth and six revisions to the Pictured Cliffs participating area, San Juan 29-5 Unit, Rio Arriba County, New Mexico. These revisions are accepted for record on this date. The amended fourth revision is effective July 1, 1981, the fifth revision is effective August 1, 1981, and the sixth revision is effective September 1, 1981.

Sincerely yours,

*James W. Shelton*  
For District Manager

# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

August 11, 1983

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

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

Re: San Juan 29-5 Unit  
Rio Arriba County, New Mexico  
Twenty-Third Expanded  
Participating Area  
Mesaverde Formation  
Effective July 1, 1981

ATTENTION: Ms. Kathy Michael

Gentlemen:

This office is in receipt of three copies each of the Twenty-Third Expanded Participating Area, for the Mesaverde Formation, for the San Juan 29-5 Unit, Rio Arriba County, New Mexico.

Inasmuch as this needs no official approval, we have this date filed two copies in our unit files. Enclosed is one copy for your files reflecting the date this was received in our office.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY:  
FLOYD O. PRANDO, Assistant Director  
Oil and Gas Division  
AC 505/827-5744

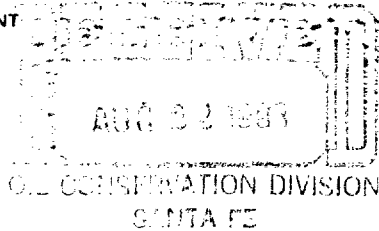
JB/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico  
BLM-Roswell, New Mexico

#418

NORTHWEST PIPELINE CORPORATION

LAND DEPARTMENT



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

August 9, 1983

Assistant Area Oil and Gas Supervisor  
Bureau of Land Management  
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  
Post Office Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Oil Conservation Commission  
ATTN: Mr. Joe Ramey  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 29-5 Unit #14-08-001-437  
Rio Arriba County, New Mexico  
AMENDED FOURTH EXPANDED PARTICIPATING  
AREA PICTURED CLIFFS FORMATION  
Effective July 1, 1981  
FIFTH EXPANDED PARTICIPATING AREA  
PICTURED CLIFFS FORMATION  
Effective August 1, 1981  
SIXTH EXPANDED PARTICIPATING AREA  
PICTURED CLIFFS FORMATION  
Effective September 1, 1981

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-5 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, determined on the dates indicated below that the following wells capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation have been completed on acreage committed to the unit and should create Expanded Participating Areas for the Pictured Cliffs Formation as follows:

AMENDED FOURTH EXPANDED PARTICIPATING AREA      Effective July 1, 1981:

<u>Drilling Block</u>	<u>Acres</u>	<u>Well Name and No.</u>
T29N, R5W		
Sec. 9: E $\frac{1}{2}$	320.00	San Juan 29-5 Unit #102
Sec. 25: Lots 1, 2, 3, 4, W $\frac{1}{2}$ E $\frac{1}{2}$ (E $\frac{1}{2}$ )	229.16	San Juan 29-5 Unit #100

The pertinent data is as follows:

The San Juan 29-5 #102 Well is located 930 feet from the East Line and 1010 feet from the North Line, Section 9, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on February 11, 1981 and completed on June 25, 1981. The Pictured Cliffs Formation was perforated with 12 holes between each of the following depths:

3753' to 3823'

These perforations were sand/water fractured. The well was shut-in with a SIPC of 1097 psig. This well is a tubingless completion. On June 25, 1981, the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the the 2 3/8 inch casing, the well gauged 2557 MCFD with a calculated AOF of 2736.

This well has been determined to be commercial.

The San Juan 29-5 Unit #100 Well is located 1885 feet from the North Line and 1165 feet from the East Line, Section 25, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on April 12, 1981. The Pictured Cliffs Formation was completed on June 16, 1981 with a dual completion in the Mesa Verde Formation. The Pictured Cliffs Formation was perforated with 12 holes at the following depths:

3638' to 3795'

These perforations were treated with 11,750 gallons of water followed by 80,000 pounds of 20/40 sand. This well initially tested using a positive choke in a three hour test. The SITP was 1081 psig with a flowing tubing pressure of 172 psig producing at a rate of 2301 MCFD. The calculated AOF was 4246 MCFD.

This well has been determined to be commercial.

FIFTH EXPANDED PARTICIPATING AREA Effective August 1, 1981:

<u>Drilling Block</u>	<u>Acres</u>	<u>Well Name and No.</u>
T29N, R5W Sec. 10: NE $\frac{1}{4}$	160.00	San Juan 29-5 Unit #104

The pertinent data is as follows:

The San Juan Unit 29-5 #104 Well is located 950 feet from the North Line and 1720 feet from the East Line, Section 10, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on March 6, 1981 and completed on July 27, 1981 in the Pictured Cliffs Formation at a plug back depth of 3496'. The Pictured Cliffs Formation was perforated with 12 holes between each of the following depths:

3210' to 3394'

These perforations were treated with 5500 gallons fluid followed by a sand-water fracturing. The well was shut-in with a SIPT of 1112 psig and SIPC of 1112 psig. On July 27, 1981, the well was tested and after flowing for three hours through a 2 3/4 inch variable choke on the 1.380 inch tubing, the well gauged 1398 Mcf/D with a calculated AOF of 1874 Mcf/D.

This well has been determined to be commercial.

SIXTH EXPANDED PARTICIPATING AREA Effective September 1, 1981:

<u>Drilling Block</u>	<u>Acres</u>	<u>Well Name and No.</u>
T29N, R5W Sec. 4: Lots 3, 4, S $\frac{1}{2}$ NW $\frac{1}{4}$ W $\frac{1}{2}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$ SW $\frac{1}{4}$	281.60	San Juan 29-5 Unit #47A

The pertinent data is as follows:

The San Juan 29-5 Unit #47A Well is located 940 feet from the North Line and 1630 feet from the West Line, Section 4, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 30, 1981. The Pictured Cliffs Formation was completed on August 28, 1981 in a dual completion with the Mesaverde Formation. The Pictured Cliffs Formation was perforated with 12 holes at the following depths:

3339' to 3406'

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Commission  
August 9, 1983  
Page 4

These perforations were treated with 500 gallons of HCL then 5,000 gallons of pad water followed by 50,000 pounds of 20/40 sand. This well was initially tested using a positive choke in a three hour test. The SITP was 1178 psig with a flowing tubing pressure of 130 psig producing at a rate of 1790 MCFD. The calculated AOF was 2466 MCFD.

This well has been determined to be commercial.

Attachec hereto are Schedules V, VI, VII showing the Amended Fourth, Fifth, and Sixth Expanded Participating Areas for the Pictured Cliffs Formation in the San Juan 29-5 Unit Area and the applicable ownership map. The Schedules describe the respective participating areas and show the percentage of unitized substances allocated to the drilling block tracts. In as much as this needs no official approval, no provision is made therefor and, in absence of disapproval, the captioned Amended Fourth Expanded Participation Area will become effective July 1, 1981, the Fifth Expanded Participating Area will become effective August 1, 1981, and the Sixth Expanded Participating Area will become effective September 1, 1981.

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

Sincerely,



Kathy Michael  
Supervisor, Land Department

KM:st  
Enclosures  
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

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: Debbie Shell  
Meadows Building  
Dallas, Texas

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

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

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

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

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

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

Nancy Ridgely  
344 North Stanbery Avenue  
Columbus, Ohio 43209

Brenda Petke  
18 Shadow Lane  
Chadds Ford, Penn. 19317

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



SCHEDULE V  
AMENDED FOURTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 4</u>							
USA SF-078305	T-29-N, R-5-W Sec. 6: SW/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;		12.500000%	12.500000%	7.048334%
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 6</u>							
USA SF-078410	T-29-N, R-5-W Sec. 6: Lots 1,2, 3,4, S/2N/2, SE/4	480.88	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;		12.500000%	12.500000%	21.183768%
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 8</u>							
USA SF-078642	T-29-N, R-5-W Sec. 9: SE/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;		12.500000%	12.500000%	7.048334%
			Total		<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE V  
AMENDED FOURTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 12</u>							
USA SF-078917	T-29-N, R-5-W Sec. 25: Lots 1,2,3,4, W/2E/2, W/2 (A11)	549.16	Royalty; Working Interest: Northwest Pipeline Corp.;		12.500000%	12.500000%	24.191644%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
					<u>100.000000%</u>	<u>100.000000%</u>	
			Total				
<u>TRACT 13</u>							
USA SF-079033	T-29-N, R-5-W Sec. 23: W/2	320.00	Royalty; Working Interest: El Paso Natural Gas		12.500000%	12.500000%	14.096668%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
					<u>100.000000%</u>	<u>100.000000%</u>	
			Total				
<u>TRACT 13-A</u>							
USA SF-079033*	T-29-N, R-5-W Sec. 23: SE/4, E/2NE/4, SW/4NE/4	280.00	Royalty; Working Interest: Sun Oil Company		12.500000%	12.500000%	12.334584%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
					<u>100.000000%</u>	<u>100.000000%</u>	
			Total				
<u>TRACT 17</u>							
USA SF-080069	T-29-N, R-5-W Sec. 15: SE/4	160.00	Royalty; Working Interest: Northwest Pipeline Corp.;		12.500000%	12.500000%	7.048334%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
					<u>100.000000%</u>	<u>100.000000%</u>	
			Total				

Effective July 1, 1981

SCHEDULE V  
AMENDED FOURTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
				TRACT 18			
USA SF-080179	T-29-N, R-5-W Sec. 9: NE/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;				
					12.500000%	12.500000%	7.048334%
					82.500000%	82.500000%	
					5.000000%	5.000000%	
				Total	100.000000%	100.000000%	

R E C A P I T U L A T I O N

Township 29 North, Range 5 West, N.M.P.M.

Sec. 6: A11  
Sec. 9: E/2  
Sec. 15: SE/4  
Sec. 23: W/2, SE/4, S/2NE/4, NE/4NE/4  
Sec. 25: Lots 1, 2, 3, 4, W/2E/2, W/2 (A11)

Total Number of Acres in Participating Area 2270.04

Total Number of Acres Committed to Participating Area 2270.04

\* Pursuant to Communitization Agreement--SRM--1171, this tract participates for 75% of the San Juan 29-5 Unit Well #80 Com and non-Unit lands, NW/4NE/4 of Section 23 participates for 25%.

SCHEDULE VI  
FIFTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 4</u>							
USA SF-078305	<u>T-29-N, R-5-W</u> Sec. 6: SW/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.;		12.500000%	12.500000%	6.584254%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 6</u>							
USA SF-078410	<u>T-29-N, R-5-W</u> Sec. 6: Lots 1,2, 3,4; S/2N/2, SE/4	480.88	Royalty; Working Interest; Northwest Pipeline Corp.;		12.500000%	12.500000%	19.788975%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 8</u>							
USA SF-078642	<u>T-29-N, R-5-W</u> Sec. 9: SE/4 Sec. 10: NE/4	320.00	Royalty; Working Interest; Northwest Pipeline Corp.;		12.500000%	12.500000%	13.168507%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	

Effective August 1, 1981

SCHEDULE VI  
FIFTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 12</u>							
USA SF-078917	T-29-N, R-5-W Sec. 25: Lots 1,2,3,4, W/2E/2, W/2 (A11)	549.16	Royalty; Working Interest: Northwest Pipeline Corp.;		12.500000%	12.500000%	22.598805%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 13</u>							
USA SF-079033	T-29-N, R-5-W Sec. 23: W/2	320.00	Royalty; Working Interest: El Paso Natural Gas		12.500000%	12.500000%	13.168507%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 13-A</u>							
USA SF-079033*	T-29-N, R-5-W Sec. 23: SE/4, E/2NE/4, SW/4NE/4	280.00	Royalty; Working Interest: Sun Oil Company		12.500000%	12.500000%	11.522444%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 17</u>							
USA SF-080069	T-29-N, R-5-W Sec. 15: SE/4	160.00	Royalty; Working Interest: Northwest Pipeline Corp.;		12.500000%	12.500000%	6.584254%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	

Effective August 1, 1981

SCHEDULE VI  
FIFTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 18							
USA SF-080179	T-29-N, R-5-W Sec. 9: NE/4	160.00	Royalty; Working Interest: Northwest Pipeline Corp.; ORRI;		12.500000%	12.500000%	6.584254%
					82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		100.000000%	100.000000%	

R E C A P I T U L A T I O N

Township 29 North, Range 5 West, N.M.P.M.

Sec. 6: A11  
Sec. 9: E/2  
Sec. 10: NE/4  
Sec. 15: SE/4  
Sec. 23: W/2, SE/4, S/2NE/4, NE/4NE/4  
Sec. 25: Lots 1, 2, 3, 4, W/2E/2, W/2 (A11)

Total Number of Acres in Participating Area 2430.04

Total Number of Acres Committed to Participating Area 2430.04

\* Pursuant to Communitization Agreement--SRM--1171, this tract participates for 75% of the San Juan 29-5 Unit Well #80 Com and non-Unit lands, NW/4NE/4 of Section 23 participates for 25%.

SCHEDULE VII  
SIXTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 4</u>							
USA SF-078305	<u>T-29-N, R-5-W</u> Sec. 6: SW/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.;		12.500000%	12.500000%	5.900488%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 6</u>							
USA SF-078410	<u>T-29-N, R-5-W</u> Sec. 6: Lots 1,2, 3,4, S/2N/2, SE/4	480.88	Royalty; Working Interest; Northwest Pipeline Corp.;		12.500000%	12.500000%	17.733917%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 8</u>							
USA SF-078642	<u>T-29-N, R-5-W</u> Sec. 9: SE/4 Sec. 10: NE/4	320.00	Royalty; Working Interest; Northwest Pipeline Corp.;		12.500000%	12.500000%	11.800977%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE VII  
SIXTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 12</u>							
USA SF-078917	T-29-N, R-5-W Sec. 25: Lots 1,2,3,4, W/2E/2, W/2 (A11)	549.16	Royalty; Working Interest: Northwest Pipeline Corp.;		12.500000%	12.500000%	20.251951%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 13</u>							
USA SF-079033	T-29-N, R-5-W Sec. 23: W/2	320.00	Royalty; Working Interest: El Paso Natural Gas		12.500000%	12.500000%	11.800977%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 13-A</u>							
USA SF-079033*	T-29-N, R-5-W Sec. 23: SE/4, E/2NE/4, SW/4NE/4	280.00	Royalty; Working Interest: Sun Oil Company		12.500000%	12.500000%	10.325855%
			ORRI;		84.500000%	84.500000%	
					3.000000%	3.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 17</u>							
USA SF-080069	T-29-N, R-5-W Sec. 15: SE/4	160.00	Royalty; Working Interest: Northwest Pipeline Corp.;		12.500000%	12.500000%	5.900488%
			ORRI;		82.500000%	82.500000%	
					5.000000%	5.000000%	
			Total		<u>100.000000%</u>	<u>100.000000%</u>	



SCHEDULE VII  
SIXTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 18</u>							
USA SF-080179	T-29-N, R-5-W, Sec. 9: NE/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;		12.500000%	12.500000%	5.900488%
			Total		<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 20</u>							
USA SF-081114	T-29-N, R-5-W Sec. 4: Lots 3, 4, S/2NW/4, W/2SW/4, SE/4SW/4	281.60	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;		12.500000%	12.500000%	10.384859%
			Total		<u>100.000000%</u>	<u>100.000000%</u>	

R E C A P I T U L A T I O N

Township 29 North, Range 5 West, N.M.P.M.							
Sec. 4: Lots 3, 4, S/2NW/4, W/2SW/4, SE/4SW/4							
Sec. 6: A11							
Sec. 9: E/2							
Sec. 10: NE/4							
Sec. 15: SE/4							
Sec. 23: W/2, SE/4, S/2NE/4, NE/4NE/4							
Sec. 25: Lots 1, 2, 3, 4, W/2E/2, W/2 (A11)							
Total Number of Acres in Participating Area		2711.64					
Total Number of Acres Committed to Participating Area		2711.64					

\* Pursuant to Communitization Agreement--SRM--1171, this tract participates for 75% of the San Juan 29-5 Unit Well #80 Com and non-Unit lands, NW/4NE/4 of Section 23 participates for 25%.