

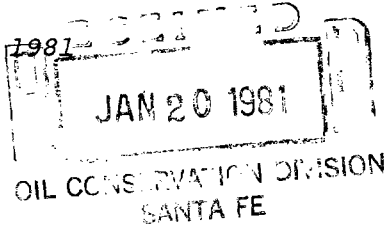
NORTHWEST PIPELINE CORPORATION

1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202
(303) 620-3500

Mailing Address

P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

January 14, 1981



Mr. Jack Willock
Assistant Area Oil
and Gas Supervisor
United States Geological Survey
Western National Bank Building
505 Marquette NW, Suite 815
Albuquerque, New Mexico 87102

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

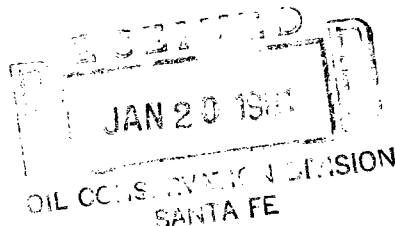
State of New Mexico
Oil Conservation Commission
Attention: Mr. Joe Ramey
Post Office Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Re: San Juan 29-5 Unit
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
TWELFTH EXPANDED PARTICIPATING AREA
Dakota Formation
Effective August 1, 1978

NOTICE OF COMPLETION OF ADDITIONAL
DAKOTA WELLS - Dakota Formation

APPLICATION FOR APPROVAL OF THE
THIRTEENTH EXPANDED PARTICIPATING AREA
Dakota Formation
Effective September 1, 1978



The Twelfth and Thirteenth Expanded Participating Areas for the San Juan 29-5 Unit No. 14-08-001-437, Rio Arriba County, New Mexico have been approved by the regulatory agencies as follows:

Oil Conservation Commission	12-08-80
Commission of Public Lands	9-30-80
U. S. Geological Survey	12-08-80

Regulatory Agencies
January 14, 1981
Page 2

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

Yours very truly,

A handwritten signature in cursive script that reads "Kathy Michael".

Kathy Michael
Land Records Coordinator

KM:vh
Attachments

cc: Working Interest Owners
San Juan 29-5 Unit

NOTE: Please substitute enclosed Schedule XIII and XIV for ones previously sent.

SAN JUAN 29-5 UNIT

Working Interest Owners

Sun Gas Company
Attention: Edgar Floyd
Joint Operations
Post Office Box 20
Dallas, Texas 75221

Phillips Petroleum Company
Attention: N. N. Beckner
7800 East Dorado Place
Englewood, Colorado 80111

Mr. Forrest B. Miller and
Mabelle M. Miller
1224 Lois Street
Post Office Box 1445
Kerrville, Texas 78028

Koch Industries, Inc.
Post Office Box 2256
Wichita, Kansas 67201

General American Oil Company
of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. A. M. Roney
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

Mr. J. William McElvain
310 East Jefferson Street
Morris, Illinois 60450

El Paso Natural Gas Company
Attention: James R. Permenter
Post Office Box 1492
El Paso, Texas 79978

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

Mrs. Catherine B. McElvain, Individually
and as Executrix of the Estate of
T. H. McElvain, Deceased
Post Office Box 2148
Santa Fe, New Mexico 87501

Mr. Tom Bolack
1010 North Dustin Drive
Farmington, New Mexico 87401

American Petrofina Company
of Texas
Post Office Box 2159
Dallas, Texas 75221

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

Phillips Petroleum Company
Attention: Mr. Gordon Buckman
7800 East Dorado Place
Englewood, Colorado 80111

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATI
<u>TRACT 1</u>							
SF 078277	<u>T-29-N, R-5-W</u> Sec. 18: SW/4, W/2NW/4, SE/4NW/4	280.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50%	83.50%	4.00%	3.240740%
			TOTAL	100.00%	100.00%		
<u>TRACT 1-A</u>							
SF 078277	<u>T-29-N, R-5-W</u> Sec. 7: SE/4, Lot 3	198.96	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50%	83.50%	4.00%	2.302778%
			TOTAL	100.00%	100.00%		
<u>TRACT 2</u>							
SF 078281	<u>T-29-N, R-5-W</u> Sec. 17: S/2 Sec. 18: E/2 Sec. 20: N/2	960.00	Royalty; Working Interest: Phillips Petroleum Co.; ORRI;	12.50%	83.50%	4.00%	11.111111%
			TOTAL	100.00%	100.00%		
<u>TRACT 3</u>							
SF 078282	<u>T-29-N, R-5-W</u> Sec. 19: All Sec. 30: SE/4SE/4	680.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50%	83.50%	4.00%	7.870370%
			TOTAL	100.00%	100.00%		

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

**TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA**

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATIO
TRACT 3-A						
SF 078282	T-29-N, R-5-W Sec. 29: NE/4 Sec. 31: N/2NW/4, NE/4NE/4	280.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 83.00% 4.50%	12.50% 83.00% 4.50%	3.240740%
			TOTAL	100.00%	100.00%	
TRACT 4-A						
NM-011348	T-29-N, R-5-W Sec. 33: W/2NE/4	80.00	Royalty; Working Interest: Tom Bolack; ORRI;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	.925926%
			TOTAL	100.00%	100.00%	
TRACT 4-B						
NM-011348	T-29-N, R-5-W Sec. 31: NE/4SW/4, N/2SE/4	120.00	Royalty; Working Interest: Tom Bolack; ORRI;	12.50% 87.50% 0.00%	12.50% 87.50% 0.00%	1.388889%
			TOTAL	100.00%	100.00%	
TRACT 4-C						
NM 011348-A	T-29-N, R-5-W Sec. 33: E/2NW/4	80.00	Royalty; Working Interest: American Pet. Co. of Texas ORRI;	12.50% 87.50% 0.00%	12.50% 87.50% 0.00%	.925926%
			TOTAL	100.00%	100.00%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 6-A</u>							
SF 078410-A	<u>T-29-N, R-5-W</u> Sec. 31: <u>SE/4</u> SW/4, S/2SE/4	120.00	Royalty; Working Interest: El Paso Natural Gas Co.;		12.50%	12.50%	1.388889%
			ORRI;		82.50%	82.50%	
					<u>5.00%</u>	<u>5.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 7</u>							
SF 078412	<u>T-29-N, R-5-W</u> Sec. 34: <u>SE/4SW/4</u> , S/2SE/4, NE/4SE/4, SE/4NE/4	200.00	Royalty; Working Interest: El Paso Natural Gas Co.;		12.50%	12.50%	2.314815%
			ORRI;		82.50%	82.50%	
					<u>5.00%</u>	<u>5.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 12</u>							
SF 078917	<u>T-29-N, R-5-W</u> Sec. 26: <u>W/2</u> Sec. 35: <u>W/2</u>	640.00	Royalty; Working Interest: Phillips Petroleum Co.;		12.50%	12.50%	7.407407%
			ORRI;		82.50%	82.50%	
					<u>5.00%</u>	<u>5.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 15</u>							
SF 079851	<u>T-29-N, R-5-W</u> Sec. 30: <u>W/2</u> , N/2SE/4	400.00	Royalty; Working Interest: El Paso Natural Gas Co.;		12.50%	12.50%	4.629630%
			ORRI;		83.00%	83.00%	
					<u>4.50%</u>	<u>4.50%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII
TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 16-A</u>						
NM 011349	<u>T-29-N, R-5-W</u> Sec. 27: SW/4	160.00	Royalty; Working Interest: Tom Bolack; ORRI;	12.50% 82.50% <u>5.00%</u> 100.00%	12.50% 82.50% <u>5.00%</u> 100.00%	1.851852%
<u>TRACT 16-B</u>						
NM 011349-A	<u>T-29-N, R-5-W</u> Sec. 27: S/2NW/4, NE/4	240.00	Royalty; Working Interest: American Petrofina Co. of Texas; ORRI;	12.50% 87.50% <u>0.00%</u> 100.00%	12.50% 87.50% <u>0.00%</u> 100.00%	2.777778%
<u>TRACT 16-C</u>						
NM 011349-B	<u>T-29-N, R-5-W</u> Sec. 27: SE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 82.50% <u>5.00%</u> 100.00%	12.50% 82.50% <u>5.00%</u> 100.00%	1.851852%
<u>TRACT 17-A</u>						
NM 011350	<u>T-29-N, R-5-W</u> Sec. 33: E/2E/2, W/2SE/4	240.00	Royalty; Working Interest: Tom Bolack; ORRI;	12.50% 82.50% <u>5.00%</u> 100.00%	12.50% 82.50% <u>5.00%</u> 100.00%	2.777778%

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 17-B</u>							
NM 011350-A	T-29-N, R-5-W Sec. 33: S/2SW/4 Sec. 34: N/2N/2, SW/4NW/4, W/2SW/4	360.00	Royalty; Working Interest: American Petrofina Co. of Texas; ORRI;		12.50%	12.50%	4.166667%
			TOTAL		87.50% 0.00% 100.00%	87.50% 0.00% 100.00%	
<u>TRACT 21</u>							
NM 03188	T-29-N, R-5-W Sec. 20: S/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;		12.50%	12.50%	3.703704%
			TOTAL		83.50% 4.00% 100.00%	83.50% 4.00% 100.00%	
<u>TRACT 21-A</u>							
NM 03188	T-29-N, R-5-W Sec. 29: SE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;		12.50%	12.50%	1.851852%
			TOTAL		82.50% 5.00% 100.00%	82.50% 5.00% 100.00%	
<u>TRACT 21-B</u>							
NM 03188	T-29-N, R-5-W Sec. 28: N/2NW/4, SW/4NW/4, S/2SW/4	200.00	Royalty; Working Interest: Phillips Petroleum Co.; ORRI;		12.50%	12.50%	2.314815%
			TOTAL		83.50% 4.00% 100.00%	83.50% 4.00% 100.00%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 21-C</u>							
NM 03188	<u>T-29-N, R-5-W</u> Sec. 21: W/2, W/2NE/4, NW/4SE/4	440.00	Royalty; Working Interest: Phillips Petroleum Co.; ORRI;		12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	5.092593%
<u>TRACT 22</u>							
E-289-3	<u>T-29-N, R-5-W</u> Sec. 32: W/2N/4	80.00	Royalty; Working Interest: The Wiser Oil Co.; ORRI;		12.50% 87.50% 0.00% 100.00%	12.50% 87.50% 0.00% 100.00%	.925926%
<u>TRACT 22-A</u>							
E-289-35	<u>T-29-N, R-5-W</u> Sec. 32: E/2SE/4	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;		12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	.925926%
<u>TRACT 22-C</u>							
E-289-36	<u>T-29-N, R-5-W</u> Sec. 32: W/2SW/4, NE/4, SE/4NW/4	280.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;		12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	3.240740%

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
<u>TRACT 22-D</u>							
E-289-31	<u>T-29-N, R-5-W</u> Sec. 32: NE/4NW/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co.;		12.50%	12.50%	.462963%
			ORRI;		82.50%	82.50%	
					<u>5.00%</u>	<u>5.00%</u>	
			TOTAL		100.00%	100.00%	
<u>TRACT 24</u>							
Fee	<u>T-29-N, R-5-W</u> Sec. 18: NE/4NW/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co.;		12.50%	12.50%	.462963%
			ORRI;		83.50%	83.50%	
					<u>4.00%</u>	<u>4.00%</u>	
			TOTAL		100.00%	100.00%	
<u>TRACT 24-A</u>							
Fee	<u>T-29-N, R-5-W</u> Sec. 7: Tract #37 less north 10.46 ac.	121.04	Royalty; Working Interest; El Paso Natural Gas Co.;		12.50%	12.50%	1.400926%
			ORRI;		83.50%	83.50%	
					<u>4.00%</u>	<u>4.00%</u>	
			TOTAL		100.00%	100.00%	
<u>TRACT 27</u>							
Fee	<u>T-29-N, R-5-W</u> Sec. 21: E/2NE/4 Sec. 22: W/2NW/4 (less one acre)	159.00	Royalty; Working Interest; Phillips Petroleum Co.;		12.50%	12.50%	1.840278%
			ORRI;		83.50%	83.50%	
					<u>4.00%</u>	<u>4.00%</u>	
			TOTAL		100.00%	100.00%	

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
---------------	-------------	--------------------	-----------	----------------	------------	-------------------------	---------------------------------

TRACT 27-A

Fee	T-29-N, R-5-W	1.00	Royalty;		12.50%	12.50%	.011574%
	Sec. 22: One acre		Working Interest:				
	out of SW corner		Phillips Petroleum Co.;		87.50%	87.50%	
	of W/2NW/4		ORRI;		0.00%	0.00%	
			TOTAL		100.00%	100.00%	

TRACT 28

Fee	T-29-N, R-5-W	120.00	Working Interest:				
	Sec. 21: SE/4SE/4		Larry Mizel;		11.25%	00.00%	0.000000%
	Sec. 28: E/2NE/4		Steven Mayer Mizel;		11.25%	00.00%	
			Gary Dean Mizel;		11.25%	00.00%	
			Vicki Mizel;		11.25%	00.00%	
			Ann Fisher;		10.00%	00.00%	
			Barbara Y. Witten;		11.25%	00.00%	
			Robert C. Witten;		11.25%	00.00%	
			Robert C. Witten;		22.50%	00.00%	

'Trustee under that certain
Trust Agreement dated
April 1, 1975, between
Saul A. Yager, Grantor &
Robert C. Witten, Trustee

TOTAL 100.00% 100.00%

TRACT 28

Fee	T-29-N, R-5-W	40.00	Working Interest:				
	Sec. 21: NE/4SE/4		Sam Lack;		100.00%	00.00%	0.000000%

Effective August 1, 1978

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

**TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA**

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 29</u>						
Fee	T-29-N, R-5-W Sec. 28: N/2SW/4, SE/4NW/4, SE/4, SW/4NE/4	320.00	Royalty; Working Interest: Phillips Petroleum Co.; ORRI;	12.50% 85.00% 2.50% 100.00%	12.50% 85.00% 2.50% 100.00%	3.703704%
<u>TRACT 30</u>						
Fee	T-29-N, R-5-W Sec. 30: SW/4SE/4 Sec. 31: SE/4NW/4, N/2SW/4NW/4, W/2NE/4, SE/4NE/4	220.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 83.50% 4.00% 100.00%	12.50% 83.50% 4.00% 100.00%	2.546296
<u>TRACT 31</u>						
Fee	T-29-N, R-5-W Sec. 34: SE/4NW/4 SW/4NE/4, NW/4SE/4, NE/4SW/4, less 32 ac. in the SW corner	128.00	Royalty; Working Interest: Phillips Petroleum Co.; ORRI;	12.50% 84.50% 3.00% 100.00%	12.50% 84.50% 3.00% 100.00%	1.481481%
<u>TRACT 32</u>						
Fee	T-29-N, R-5-W Sec. 34: 32 ac. out of SW corner of the NE/4SW/4	32.00	Royalty; Working Interest: Phillips Petroleum Co.; ORRI;	12.50% 84.50% 3.00% 100.00%	12.50% 84.50% 3.00% 100.00%	.370370%

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

TRACT 33

Fee	T-29-N, R-5-W Sec. 31: W/2SW/4, S/2SW/4NW/4	100.00	Royalty; Working Interest: El Paso Natural Gas Co.; American Pet. Co. of Texas; ORRI;	12.50% 58.59% 21.88% 7.03%*	12.50% 58.59% 21.88% 7.03%*	1.157407%
			TOTAL	100.00%	100.00%	

*Borne by El Paso

TRACT 34

Fee	T-29-N, R-5-W Sec. 32: E/2SW/4, W/2SE/4	160.00	Royalty; Working Interest: Amoco Production Company ORRI;	12.50% 87.50% 0.00%	12.50% 87.50% 0.00%	1.851852%
			TOTAL	100.00%	100.00%	

TRACT 35

Fee	T-29-N, R-5-W Sec. 33: W/2NW/4, N/2SW/4	160.00	Royalty; Working Interest: T. H. McElvain Estate (1/4) Ruth M. Vaughan (1/6) Carl R. McElvain Estate (1/6) J. Wm. McElvain (1/6) Mabelle M. Miller (1/4) Individually and Independent Executrix of the Estate of Forrest B. Miller ORRI;	12.5000% 20.6250% 13.7500% 13.7500% 13.7500% 20.6250%	12.5000% 20.6250% 13.7500% 13.7500% 13.7500% 20.6250%	1.851852%
			TOTAL	100.0000%	100.0000%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 37</u>							
Fee	T-29-N, R-5-W	80.00	Royalty; Working Interest; Phillips Petroleum Co.;		12.50%	12.50%	.925926%
	Sec. 21: SW/4SE/4				87.50%	87.50%	
	Sec. 28: NW/4NE/4		ORRI;		0.00%	0.00%	
			TOTAL		100.00%	100.00%	
<u>TRACT 38</u>							
Fee	T-29-N, R-5-W	318.00	Royalty; Working Interest; Phillips Petroleum Co.;		12.50%	12.50%	3.680556%
	Sec. 22: SW/4 less two acres out of NW/4SW/4, E/2NW/4				87.50%	87.50%	
	Sec. 27: N/2NW/4		ORRI;		0.00%	0.00%	
			TOTAL		100.00%	100.00%	
<u>TRACT 38-B</u>							
Fee	Beginning at NW of N/2SE/4 of Sec. 22, T29N, R5W, thence 420 feet South, thence 210 feet West, thence 420 feet North, thence 210 feet East to place of beginning	2.00	Royalty; Working Interest; Phillips Petroleum Co.;		12.50%	12.50%	.023148%
			ORRI;		87.50%	87.50%	
			TOTAL		0.00%	0.00%	
			TOTAL		100.00%	100.00%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIII

TWELFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FOUNDATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE ACTUAL PARTICIPATION
---------------	-------------	--------------------	-----------	----------------	-------------------------	---------------------------------------

RECAPITULATION

Description of lands in Participating Area:

Township 29 North, Range 5 West, N.M.P.M.
 Section 7: SE/4, Lots 3, 4, Tract 37 less North 10.46 acres
 Section 17: S/2
 Section 22: W/2
 Section 26: W/2
 Section 29: E/2
 Section 30: W/2, SE/4
 Section 35: W/2
 Sections 18, 19, 20, 21, 27, 28, 31, 32, 33, 34: ALL

Total number of acres in Participating Area: 8,800.00 acres
 Total number of acres committed to Participating Area: 8,640.00 acres
 Total number of acres not committed to Participating Area: 160.00 acres

NORTHWEST PIPELINE CORPORATION

UNIT 1 AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078277	<u>T. 29N, R. 5W</u>	280.00	<u>TRACT 1</u>			
	<u>Sec. 18; SW/4</u>		Royalty;	12.50%	12.50%	3.125000%
	<u>W/2 NW/4, SE/4</u>		Working Interest;			
	<u>NW/4</u>		El Paso Natural Gas Co.;	83.50%	83.50%	
			ORRI;	<u>4.00%</u>	<u>4.00%</u>	
			TOTAL	100.00%	100.00%	
			<u>TRACT 1-A</u>			
SF 078277	<u>T. 29N, R. 5W</u>	198.96	Royalty;	12.50%	12.50%	2.220536%
	<u>Sec. 7; SE/4,</u>		Working Interest;			
	<u>Lot 3</u>		El Paso Natural Gas Co.;	83.50%	83.50%	
			ORRI;	<u>4.00%</u>	<u>4.00%</u>	
			TOTAL	100.00%	100.00%	
			<u>TRACT 2</u>			
SF 078281	<u>T. 29N, R. 5W</u>	960.00	Royalty;	12.50%	12.50%	10.714286%
	<u>Sec. 17; S/2</u>		Working Interest;			
	<u>Sec. 18; E/2</u>		Phillips Petroleum Co.;	83.50%	83.50%	
	<u>Sec. 20; N/2</u>		ORRI;	<u>4.00%</u>	<u>4.00%</u>	
			TOTAL	100.00%	100.00%	
			<u>TRACT 3</u>			
SF 078282	<u>T. 29N, R. 5W</u>	680.00	Royalty;	12.50%	12.50%	7.589286%
	<u>Sec. 19; All</u>		Working Interest;			
	<u>Sec. 30; SE/4 SE/4</u>		El Paso Natural Gas Co.;	83.50%	83.50%	
			ORRI;	<u>4.00%</u>	<u>4.00%</u>	
			TOTAL	100.00%	100.00%	

Effective September 1, 1978

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 3-A</u>							
SF 078282	<u>T. 29N, R. 5W</u>						
	Sec. 29: NE/4	280.00	Royalty;		12.50%	12.50%	3.125000%
	Sec. 31: N/2 NW/4 & NE/4 NE/4		Working Interest: El Paso Natural Gas Co.; ORRI;		83.00% 4.50%	83.00% 4.50%	
			TOTAL		100.00%	100.00%	
<u>TRACT 4-A</u>							
NM 011348	<u>T. 29N, R. 5W</u>						
	Sec. 33: W/2 NE/4	80.00	Royalty;		12.50%	12.50%	.892857%
			Working Interest: Tom Bolack ORRI;		82.50% 5.00%	82.50% 5.00%	
			TOTAL		100.00%	100.00%	
<u>TRACT 4-B</u>							
NM 011348	<u>T. 29N, R. 5W</u>						
	Sec. 31: NE/4 SW/4 & N/2 SE/4	120.00	Royalty;		12.50%	12.50%	1.339286%
			Working Interest: Tom Bolack ORRI;		87.50% 0.00%	87.50% 0.00%	
			TOTAL		100.00%	100.00%	
<u>TRACT 4-C</u>							
NM 011348-A	<u>R. 29N, R. 5W</u>						
	Sec. 33: E/2 NW/4	80.00	Royalty;		12.50%	12.50%	.892857%
			Working Interest: American Pet. Co. of Tex.; ORRI;		87.50% 0.00%	87.50% 0.00%	
			TOTAL		100.00%	100.00%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078410-A	<u>T. 29N, R. 5W</u> Sec. 31: SE/4 SW/4 & S/2 SE/4	120.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL	<u>TRACT 6-A</u>	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	1.339286%
SF 078412	<u>T. 29N, R. 5W</u> Sec. 34: SE/4 SW/4, S/2 SE/4, NE/4 SE/4, SE/4 NE/4	200.00	Royalty; Working Interest: EPNG ORRI; TOTAL	<u>TRACT 7</u>	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	2.232143%
SF 078917	<u>T. 29N, R. 5W</u> Sec. 26: W/2 Sec. 35: A11	960.00	Royalty; Working Interest: Phillips Petroleum Co.; ORRI; TOTAL	<u>TRACT 12</u>	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	10.714286%
SF 079851	<u>T. 29N, R. 5W</u> Sec. 30: W/2 & N/2 SE/4	400.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL	<u>TRACT 15</u>	12.50% 83.00% 4.50% 100.00%	12.50% 83.00% 4.50% 100.00%	4.464286%

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 011349	<u>T. 29N, R. 5W</u> Sec. 27: SW/4	160.00	<u>TRACT 16-A</u>			
			Royalty:	12.50%	12.50%	1.785714%
			Working Interest:			
			Tom Bolack;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	
NM 011349-A	<u>T. 29N, R. 5W</u> Sec. 27: S/2 NW/4 & NE/4	240.00	<u>TRACT 16-B</u>			
			Royalty:	12.50%	12.50%	2.678571%
			Working Interest:			
			American Petrofina	87.50%	87.50%	
			Company of Texas;	0.00%	0.00%	
			ORRI;	100.00%	100.00%	
NM 011349-B	<u>T. 29N, R. 5W</u> Sec. 27: SE/4	160.00	<u>TRACT 16-C</u>			
			Royalty:	12.50%	12.50%	1.785714%
			Working Interest:			
			El Paso Natural Gas Co.	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	
NM 011350	<u>T. 29N, R. 5W</u> Sec. 33: E/2E/2, W/2SE	240.00	<u>TRACT 17-A</u>			
			Royalty:	12.50%	12.50%	2.678571%
			Working Interest:			
			Tom Bolack	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

**THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA**

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 011350-A	T. 29N, R. 5W Sec. 33: S/2 SW/4 Sec. 34: N/2 N/2, SW/4 NW/4, W/2 SW/4	360.00	TRACT 17-B				4.017857%
			Royalty;	12.50%	12.50%		
			Working Interest;				
			American Petrofina				
			Company of Texas;	87.50%	87.50%		
			ORRI;	0.00%	0.00%		
			TOTAL	100.00%	100.00%		
			TRACT 21				
			Royalty;	12.50%	12.50%		
			Working Interest;				
NM 03188	T. 29N, R. 5W Sec. 20: S/2	320.00	TRACT 21				3.571429%
			Royalty;	12.50%	12.50%		
			Working Interest;				
			El Paso Natural Gas Co.;	83.50%	83.50%		
			ORRI;	4.00%	4.00%		
			TOTAL	100.00%	100.00%		
			TRACT 21-A				
			Royalty;	12.50%	12.50%		
			Working Interest;				
			El Paso Natural Gas Co.;	82.50%	82.50%		
NM 03188	T. 29N, R. 5W Sec. 29: SE/4	160.00	TRACT 21-B				1.785714%
			Royalty;	12.50%	12.50%		
			Working Interest;				
			El Paso Natural Gas Co.;	82.50%	82.50%		
			ORRI;	5.00%	5.00%		
			TOTAL	100.00%	100.00%		
			TRACT 21-B				
			Royalty;	12.50%	12.50%		
			Working Interest;				
			Phillips Petroleum Co.;	83.50%	83.50%		
NM 03188	T. 29N, R. 5W Sec. 28: N/2 NW/4, SW/4 NW/4, S/2 SW/4	200.00	TRACT 21-B				2.232143%
			Royalty;	12.50%	12.50%		
			Working Interest;				
			Phillips Petroleum Co.;	83.50%	83.50%		
			ORRI;	4.00%	4.00%		
			TOTAL	100.00%	100.00%		
			TRACT 21-B				
			Royalty;	12.50%	12.50%		
			Working Interest;				
			Phillips Petroleum Co.;	83.50%	83.50%		

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 03188	<u>T. 29N, R. 5W</u>	440.00	Royalty; Working Interest: Phillips Petroleum Co. ORRI; TOTAL	<u>TRACT 21-C</u>	12.50%	12.50%	4.910714%
	Sec. 21: W/2 &						
	W/2 NE/4 &				82.50%	82.50%	
	NW/4 SE/4				5.00%	5.00%	
					<u>100.00%</u>	<u>100.00%</u>	
E-289-3	<u>T. 29N, R. 5W</u>	80.00	Royalty; Working Interest: The Wiser Oil Co.; TOTAL	<u>TRACT 22</u>	12.50%	12.50%	.892857%
	Sec. 32: W/2 NW/4						
					87.50%	87.50%	
					<u>100.00%</u>	<u>100.00%</u>	
E-289-44	<u>T. 29N, R. 5W</u>	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL	<u>TRACT 22-A</u>	12.50%	12.50%	.892857%
	Sec. 32: E/2 SE/4						
					82.50%	82.50%	
					5.00%	5.00%	
					<u>100.00%</u>	<u>100.00%</u>	
E-289-45	<u>T. 29N, R. 5W</u>	280.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL	<u>TRACT 22-C</u>	12.50%	12.50%	3.125000%
	Sec. 32: W/2 SW/4, NE/4, SE/4 NW/4						
					82.50%	82.50%	
					5.00%	5.00%	
					<u>100.00%</u>	<u>100.00%</u>	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
Fee	<u>T. 29N, R. 5W</u> Sec. 32: NE/4 NW/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL	<u>TRACT 22-D</u>	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	.446429%
Fee	<u>T. 29N, R. 5W</u> Sec. 18: NE/4 NW/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL	<u>TRACT 24</u>	12.50% 83.50% 4.00% 100.00%	12.50% 83.50% 4.00% 100.00%	.446429%
Fee	<u>T. 29N, R. 5W</u> Sec. 7: Lot 4, Tract 121.04 #37 less north 10.46 acres		Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL	<u>TRACT 24-A</u>	12.50% 83.50% 4.00% 100.00%	12.50% 83.50% 4.00% 100.00%	1.350893%
Fee	<u>T. 29N, R. 5W</u> Sec. 21: E/2 NE/4 Sec. 22: W/2 NW/4 (less one acre)	159.00	Royalty; Working Interest; Phillips Petroleum Co.; ORRI; TOTAL	<u>TRACT 27</u>	12.50% 83.50% 4.00% 100.00%	12.50% 83.50% 4.00% 100.00%	1.774554%

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
Fee	<u>T. 29N, R. 5W</u>			<u>TRACT 27-A</u>			
	Sec. 22: One acre out of SW corner of W/2 NW/4	1.00	Royalty; Working Interest; ORRI;		12.50% 87.50% 0.00%	12.50% 87.50% 0.00%	.011161
	TOTAL				100.00%	100.00%	
Fee	<u>T. 29N, R. 5W</u>			<u>TRACT 28</u>			
	Sec. 21: SE/4 SE/4	120.00	Working Interest;		11.25%	00.00%	0.0000000%
	Sec. 28: E/2 NE/4		Larry Mizel; Steven Mayer Mizel; Gary Dean Mizel; Vicki Mizel; Ann Fisher; Barbara Y. Wiltten; Robert C. Wiltten; Robert C. Wiltten;		11.25% 11.25% 11.25% 10.00% 11.25% 11.25% 22.50%	00.00% 00.00% 00.00% 00.00% 00.00% 00.00% 00.00%	
			Trustee under that certain trust agreement dated April 1, 1975 between Saul A. Yager, Grantor & Robert C. Wiltten, Trustee				
	TOTAL				100.00%	100.00%	
	<u>TRACT 28</u>						
	Working Interest;				100.00%	00.00%	0.0000000%
	Sam Lack;						

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
Fee	<u>T. 29N, R. 5W</u> Sec. 28: N/2 SW/4 & 320.00 SE/4 NW/4 & SE/4 & SW/4 NE/4		Royalty; Working Interest; Phillips Petroleum Co.; ORRI;		12.50% 85.00% 2.50% 100.00%	12.50% 85.00% 2.50% 100.00%	3.571429%
			TOTAL				
			<u>TRACT 29</u>				
Fee	<u>T. 29N, R. 5W</u> Sec. 30: SW/4 SE/4 220.00 Sec. 31: SE/4 NW/4 & N/2 SW/4 NW/4 & W/2 NE/4 & SE/4 NE/4		Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;		12.50% 83.50% 4.00% 100.00%	12.50% 83.50% 4.00% 100.00%	2.455357%
			TOTAL				
			<u>TRACT 30</u>				
Fee	<u>T. 29N, R. 5W</u> Sec. 34: SE/4 NW/4 & 128.00 SW/4 NE/4 & NW/4 SE/4 & NE/4 SW/4 less 32 acres in the SW corner		Royalty; Working Interest; Phillips Petroleum Co.; ORRI;		12.50% 85.00% 2.50% 100.00%	12.50% 85.00% 2.50% 100.00%	1.428571%
			TOTAL				
			<u>TRACT 31</u>				
Fee	<u>T. 29N, R. 5W</u> Sec. 34: 32 acres out 32.00 of SW corner of the NE SW		Royalty; Working Interest; Phillips Petroleum Co.; ORRI;		12.50% 84.50% 3.00% 100.00%	12.50% 84.50% 3.00% 100.00%	.357143
			TOTAL				
			<u>TRACT 32</u>				

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
Fee	TRACT 33						
	T. 29N, R. 5W						
	Sec. 31: W/2 SW/4 & 100.00						
	S/2 SW/4 NW/4						
	Royalty;	12.50%	12.50%	1.116071%			
	Working Interest:						
	El Paso Natural Gas Co.;	58.59%	58.59%				
	American Pet. Co. of Tex.;	21.88%	21.88%				
	ORRI;	7.03%*	7.03%*				
	TOTAL	100.00%	100.00%				
Fee	TRACT 34						
	T. 29N, R. 5W						
	Sec. 32: E/2 SW/4 & 160.00						
	W/2 SE/4						
	Royalty;	12.50%	12.50%	1.785714%			
	Working Interest:						
	Amoco Production Co.;	87.50%	87.50%				
	ORRI;	0.00%	0.00%				
	TOTAL	100.00%	100.00%				
	Fee	TRACT 35					
T. 29N, R. 5W							
Sec. 33: W/2 NW/4 & 160.00							
N/2 SW/4							
Royalty;		12.50000%	12.50000%	1.785714%			
Working Interest:							
T.H. McElvain Estate-1/4		20.62500%	20.62500%				
Ruth M. Vaughan-1/6		13.75000%	13.75000%				
Carl R. McElvain Estate-1/6		13.75000%	13.75000%				
J. Wm. McElvain-1/6		13.75000%	13.75000%				
Mabelle M. Miller-3/16	15.46875%	15.46875%					
Corrine Miller Gay Trust-1/48	1.71875%	1.71875%					
Maydell Miller Mast Trust-1/48	1.71875%	1.71875%					
James M. Raymond-1/48	1.71875%	1.71875%					
ORRI	5.00000%	5.00000%					
TOTAL	100.00000%	100.00000%					

Effective September 1, 1978

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 37</u>							
Fee	T. 29N, R. 5W						
	Sec. 21: SW/4 SE/4	80.00	Royalty;		12.50%	12.50%	.892857%
	Sec. 28: NW/4 NE/4		Working Interest;		87.50%	87.50%	
			Phillips Petroleum Co.;		0.00%	0.00%	
			ORRI;				
			TOTAL		100.00%	100.00%	
<u>TRACT 38</u>							
Fee	T. 29N, R. 5W						
	Sec. 22: SW/4 less	318.00	Royalty;		12.50%	12.50%	3.549107%
	two acres out of		Working Interest;		87.50%	87.50%	
	NE/4 SW/4 & E/2 NW/4		Phillips Petroleum Co.;		0.00%	0.00%	
	Sec. 27: N/2 NW/4		ORRI;				
			TOTAL		100.00%	100.00%	
<u>TRACT 38-B</u>							
Fee	Beginning at NW	2.00	Royalty;		12.50%	12.50%	.022321
	corner of N/2 SE/4 of Sec. 22,		Working Interest;		87.50%	87.50%	
	T29N, R5W, thence 420' South,		Phillips Petroleum Co.;		0.00%	0.00%	
	thence 210' West, thence 420'		ORRI;				
	North, thence 210' East to place		TOTAL		100.00%	100.00%	
	of beginning.						

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
---------------	-------------	--------------------	-----------	----------------	------------	-------------------------	---------------------------------

RECAPITULATION

Description of Lands in Participating Area:

Township 29 North, Range 5 West, N. M. P. M.
 Section 7: SE/4 & Lots 3, 4, Tract 37 Less North 10.46 acres
 Section 17: S/2
 Section 22: W/2
 Section 26: W/2
 Section 29: E/2
 Section 30: W/2 & SE/4
 Sections 18, 19, 20, 21, 27, 28, 31, 32, 33, 34, 35: ALL

Total number of acres in Participating Area: 9,120 acres
 Total number of acres committed to Participating Area: 8,960 acres
 Total number of acres not committed to Participating Area: 160 acres

* Borne by El Paso (Reference Tract 33)

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

December 8, 1980

Northwest Exploration Company
P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

Attention: Kathy Michael

Re: Case No. 418
San Juan 29-5 Unit
Corrected Twelfth and
Thirteenth Revisions of
the Dakota Participating
Area

Gentlemen:

We hereby approve the Corrected Twelfth and Thirteenth Revisions of the Dakota Participating Area for the San Juan 29-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Corrected Revisions are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

December 8, 1980

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: John W. Shepardson

Re: Case No. 418
San Juan 29-5 Unit
Twelfth and Thirteenth
Expanded Participating
Area for the Dakota Formation

Gentlemen:

We hereby approve the Twelfth and Thirteenth Expanded Participating Areas for the Dakota formation for the San Juan 29-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Expanded Participating Areas are returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y

NORTHWEST EXPLORATION COMPANY

1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202
(303) 620-3500

November 10, 1980

Mailing Address
P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

Mr. Jack Willock
Assistant Area Oil
and Gas Supervisor
United States Geological Survey
Western National Bank Building
505 Marquette NW, Suite 815
Albuquerque, New Mexico 87102

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

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

Gentlemen:

TWELFTH AND THIRTEENTH REVISIONS
OF THE DAKOTA PARTICIPATING AREA
SAN JUAN 29-5 UNIT AGREEMENT
RIO ARriba COUNTY, NEW MEXICO
NO. 14-08-001-437

Our application requesting approval of the above revisions has been approved by the U.S.G.S. October 30, 1980 pending the following corrections: (see attached copy of U.S.G.S. letter).

These corrections have been incorporated therein and enclosed is a copy of that Schedule XIV for your files.

A copy of this letter with attached corrected Schedule and U.S.G.S. letter is being sent to the Working Interest Owners.

Yours very truly,

Kathy Michael
Kathy Michael
Land Records Coordinator

/vh

Attachment

A SUBSIDIARY OF NORTHWEST ENERGY COMPANY

cc: Working Interest Owners

SAN JUAN 29-5 UNIT

Working Interest Owners

Sun Gas Company
Attention: V. M. Williams
Post Office Box 20
Dallas, Texas 75221

Phillips Petroleum Company
Attention: N. N. Beckner
7800 East Dorado Place
Englewood, Colorado 80111

Mr. Forrest B. Miller and
Mabelle M. Miller
1224 Lois Street
Post Office Box 1445
Kerrville, Texas 78028

Koch Industries, Inc.
Post Office Box 2256
Wichita, Kansas 67201

General American Oil Company
of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. A. M. Roney
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

Mr. J. William McElvain
310 East Jefferson Street
Morris, Illinois 60450

El Paso Natural Gas Company
Attention: James R. Permenter
Post Office Box 1492
El Paso, Texas 79978

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

Mrs. Catherine B. McElvain, Individually
and as Executrix of the Estate of
T. H. McElvain, Deceased
Post Office Box 2148
Santa Fe, New Mexico 87501

Mr. Tom Bolack
1010 North Dustin Drive
Farmington, New Mexico 87401

American Petrofina Company
of Texas
Post Office Box 2159
Dallas, Texas 75221

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

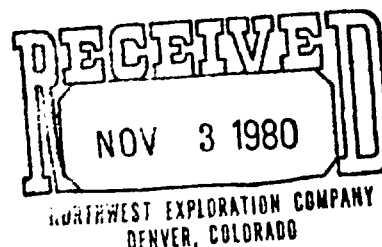


United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

30 OCT 1980

Northwest Pipeline Corporation
Attention: Mr. John W. Shepardson
One Park Central, Suite 1487
Denver, Colorado 80202



Gentlemen:

Your application of August 12, 1980 requesting approval of the twelfth and thirteenth revisions of the Dakota participating area for the San Juan 29-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-437, was approved on this date by the Deputy Conservation Manager, U. S. Geological Survey, effective as of August 1, 1978 and September 1, 1978 respectively, with the following corrections:

13th revision allocation schedule

Tr. 4-A lease number is NM-011348, not NM-011398
Tr. 17-B acreage is shown twice, one is marked out
Tr. 32 allocation percentage is .357143, not 3.57143
Tr. 34 no acreage shown - should be 160.00
Tr. 38 no acreage shown - should be 318.00

The twelfth revision adds 1,280.00 acres described as the E $\frac{1}{2}$ sec. 33, all of sec. 34, and the W $\frac{1}{2}$ sec. 35, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 8,800.00 acres and is based on the completion of unit well No. 90 located in the SW $\frac{1}{4}$ sec. 35. Such well was completed on August 21, 1978 for an initial calculated open flow potential of 4,583 MCFD from the Dakota interval at 8,724 to 8,736 feet.

The thirteenth revision adds 320.00 acres, described as the E $\frac{1}{2}$ sec. 34, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 9,120.00 acres. Such revision is based on the completion of unit well No. 91 in the NE $\frac{1}{4}$ sec. 35. Such well was completed on September 5, 1978 for an initial calculated open flow potential of 5,240 MCFD from the Dakota interval at 8,726 to 8,736 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and one approved copy is enclosed. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

Floyd Stelzer
Floyd Stelzer
for Acting Deputy Conservation
Manager, Oil and Gas

Enclosure

NORTHWEST PIPELINE CORPORATION

UNIT: AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT
			OWNERSHIP	PERCENTAGE		
SF 078277	T. 29N, R. 5W Sec. 18; SW/4 W/2 NW/4, SE/4 NW/4	280.00	<u>TRACT 1</u>			
			Royalty;	12.50%	12.50%	3.125000;
			Working Interest:			
			El Paso Natural Gas Co.;	83.50%	83.50%	
			ORRI;	4.00%	4.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 1-A</u>			
			Royalty;	12.50%	12.50%	
			Working Interest:			
			El Paso Natural Gas Co.;	83.50%	83.50%	
SF 078277	T. 29N, R. 5W Sec. 7: SE/4, Lot 3	198.96	<u>TRACT 1-A</u>			
			Royalty;	12.50%	12.50%	2.220536;
			Working Interest:			
			El Paso Natural Gas Co.;	83.50%	83.50%	
			ORRI;	4.00%	4.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 2</u>			
			Royalty;	12.50%	12.50%	
			Working Interest:			
			Phillips Petroleum Co.;	83.50%	83.50%	
SF 078281	T. 29N, R. 5W Sec. 17: S/2 Sec. 18: E/2 Sec. 20: N/2	960.00	<u>TRACT 2</u>			
			Royalty;	12.50%	12.50%	10.714286;
			Working Interest:			
			Phillips Petroleum Co.;	83.50%	83.50%	
			ORRI;	4.00%	4.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 3</u>			
			Royalty;	12.50%	12.50%	
			Working Interest:			
			El Paso Natural Gas Co.;	83.50%	83.50%	
SF 078282	T. 29N, R. 5W Sec. 19: All Sec. 30: SE/4 SE/4	680.00	<u>TRACT 3</u>			
			Royalty;	12.50%	12.50%	7.589286;
			Working Interest:			
			El Paso Natural Gas Co.;	83.50%	83.50%	
			ORRI;	4.00%	4.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTL PARTICIPATI
<u>TRACT 3-A</u>							
SF 078282	<u>T. 29N, R. 5W</u> Sec. 29: NE/4 Sec. 31: N/2 NW/4 & NE/4 NE/4	280.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;		12.50% 83.00% 4.50%	12.50% 83.00% 4.50%	3.125000%
	TOTAL				100.00%	100.00%	
<u>TRACT 4-A</u>							
NM 011348	<u>T. 29N, R. 5W</u> Sec. 33: W/2 NE/4	80.00	Royalty; Working Interest: Tom Bolack ORRI;		12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	.892857%
	TOTAL				100.00%	100.00%	
<u>TRACT 4-B</u>							
NM 011348	<u>T. 29N, R. 5W</u> Sec. 31: NE/4 SW/4 & 120.00 N/2 SE/4		Royalty; Working Interest: Tom Bolack ORRI;		12.50% 87.50% 0.00%	12.50% 87.50% 0.00%	1.339286%
	TOTAL				100.00%	100.00%	
<u>TRACT 4-C</u>							
NM 011348-A	<u>R. 29N, R. 5W</u> Sec. 33: E/2 NW/4	80.00	Royalty; Working Interest: American Pet. Co. of Tex.; ORRI;		12.50% 87.50% 0.00%	12.50% 87.50% 0.00%	.892857%
	TOTAL				100.00%	100.00%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAT
			OWNERSHIP	PERCENTAGE		
SF 078410-A	TRACT 6-A					
	T. 29N, R. 5W					
	Sec. 31: SE/4	120.00	Royalty;	12.50%	12.50%	1.339286
	SW/4 & S/2 SE/4		Working Interest:			
			El Paso Natural Gas Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	
	TRACT 7					
	T. 29N, R. 5W		200.00			
	Sec. 34: SE/4 SW/4,		Royalty;	12.50%	12.50%	2.232141
	S/2 SE/4, NE/4 SE/4,		Working Interest:			
	SE/4 NE/4		EPNG	82.50%	82.50%	
		ORRI;	5.00%	5.00%		
		TOTAL	100.00%	100.00%		
SF 078917	TRACT 12					
	T. 29N, R. 5W					
	Sec. 26: W/2	960.00	Royalty;	12.50%	12.50%	10.714286
	Sec. 35: A11		Working Interest:			
			Phillips Petroleum Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	
	TRACT 15					
	T. 29N, R. 5W					
	Sec. 30: W/2 &	400.00	Royalty;	12.50%	12.50%	4.464286
	N/2 SE/4		Working Interest:			
			El Paso Natural Gas Co.;	83.00%	83.00%	
		ORRI;	4.50%	4.50%		
		TOTAL	100.00%	100.00%		

Effective September 1, 1978

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT
NM 011349	<u>T. 29N, R. 5W</u>	160.00	Royalty; Working Interest: Tom Bolack; ORRI; TOTAL	<u>TRACT 16-A</u>	12.50%	12.50%	1.785714
	<u>Sec. 27: SW/4</u>				82.50%	82.50%	
					<u>5.00%</u>	<u>5.00%</u>	
					<u>100.00%</u>	<u>100.00%</u>	
NM 011349-A	<u>T. 29N, R. 5W</u>	240.00	Royalty; Working Interest: American Petrofina Company of Texas; ORRI; TOTAL	<u>TRACT 16-B</u>	12.50%	12.50%	2.678571
	<u>Sec. 27: S/2 NW/4</u>				87.50%	87.50%	
	<u>& NE/4</u>				<u>0.00%</u>	<u>0.00%</u>	
					<u>100.00%</u>	<u>100.00%</u>	
NM 011349-B	<u>T. 29N, R. 5W</u>	160.00	Royalty; Working Interest: El Paso Natural Gas Co. ORRI; TOTAL	<u>TRACT 16-C</u>	12.50%	12.50%	1.785714
	<u>Sec. 27: SE/4</u>				82.50%	82.50%	
					<u>5.00%</u>	<u>5.00%</u>	
					<u>100.00%</u>	<u>100.00%</u>	
NM 011350	<u>T. 29N, R. 5W</u>	240.00	Royalty; Working Interest: Tom Bolack ORRI; TOTAL	<u>TRACT 17-A</u>	12.50%	12.50%	2.678571
	<u>Sec. 33: E/2E/2,</u>				82.50%	82.50%	
	<u>W/2SE</u>				<u>5.00%</u>	<u>5.00%</u>	
					<u>100.00%</u>	<u>100.00%</u>	

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT AC PARTICIP
NM 011350-A			<u>TRACT 17-B</u>				
	<u>T. 29N, R. 5W</u>						
	Sec. 33: S/2 SW/4	360.00	Royalty;		12.50%	12.50%	4.01785
	Sec. 34: N/2 N/2, SW/4 NW/4, W/2 SW/4		Working Interest: American Petrofina Company of Texas;				
			ORRI;		87.50%	87.50%	
					<u>0.00%</u>	<u>0.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 21</u>				
	<u>T. 29N, R. 5W</u>						
	Sec. 20: S/2	320.00	Royalty;		12.50%	12.50%	3.57142
NM 03188			Working Interest: El Paso Natural Gas Co.;		83.50%	83.50%	
			ORRI;		<u>4.00%</u>	<u>4.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 21-A</u>				
	<u>T. 29N, R. 5W</u>						
	Sec. 29: SE/4	160.00	Royalty;		12.50%	12.50%	1.78571
			Working Interest: El Paso Natural Gas Co.;		82.50%	82.50%	
			ORRI;		<u>5.00%</u>	<u>5.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
	NM 03188			<u>TRACT 21-B</u>			
<u>T. 29N, R. 5W</u>							
Sec. 28: N/2 NW/4, SW/4 NW/4, S/2 SW/4		200.00	Royalty;		12.50%	12.50%	2.23214
			Working Interest: Phillips Petroleum Co.;		83.50%	83.50%	
			ORRI;		<u>4.00%</u>	<u>4.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTI PARTICIPAT	
NM 03188	T. 29N, R. 5W Sec. 21: W/2 & W/2 NE/4 & NW/4 SE/4	440.00	TRACT 21-C					
			Royalty;	12.50%	12.50%	4.910714		
			Working Interest:					
			Phillips Petroleum Co.	82.50%	82.50%			
			ORRI;	5.00%	5.00%			
			TOTAL	100.00%	100.00%			
			TRACT 22					
			Royalty;	12.50%	12.50%			
			Working Interest:					
			The Wiser Oil Co.;	87.50%	87.50%			
E-289-3	T. 29N, R. 5W Sec. 32: W/2 NW/4	80.00	TRACT 22-A					
			Royalty;	12.50%	12.50%	.892857		
			Working Interest:					
			The Wiser Oil Co.;	87.50%	87.50%			
			TOTAL	100.00%	100.00%			
			TRACT 22-C					
			Royalty;	12.50%	12.50%			
			Working Interest:					
			El Paso Natural Gas Co.;	82.50%	82.50%			
			E-289-44	T. 29N, R. 5W Sec. 32: E/2 SE/4	80.00		TRACT 22-A	
Royalty;	12.50%	12.50%				.892857		
Working Interest:								
El Paso Natural Gas Co.;	82.50%	82.50%						
ORRI;	5.00%	5.00%						
TOTAL	100.00%	100.00%						
TRACT 22-C								
Royalty;	12.50%	12.50%						
Working Interest:								
El Paso Natural Gas Co.;	82.50%	82.50%						
E-289-45	T. 29N, R. 5W Sec. 32: W/2 SW/4, NE/4, SE/4 NW/4	280.00	TRACT 22-C					
			Royalty;	12.50%	12.50%	3.125000		
			Working Interest:					
			El Paso Natural Gas Co.;	82.50%	82.50%			
			ORRI;	5.00%	5.00%			
			TOTAL	100.00%	100.00%			

Effective September 1, 1978

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT
Fee	TRACT 22-D					
	T. 29N, R. 5W					
	Sec. 32: NE/4 NW/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	.446429
			TOTAL	100.00%	100.00%	
	TRACT 24					
	T. 29N, R. 5W					
	Sec. 18: NE/4 NW/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 83.50% 4.00%	12.50% 83.50% 4.00%	.446429
			TOTAL	100.00%	100.00%	
	TRACT 24-A					
	T. 29N, R. 5W					
Fee	Sec. 7: Lot 4, Tract 121.04		Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 83.50% 4.00%	12.50% 83.50% 4.00%	1.350893
	#37 less north					
	10.46 acres					
			TOTAL	100.00%	100.00%	
	TRACT 27					
	T. 29N, R. 5W					
	Sec. 21: E/2 NE/4	159.00	Royalty; Working Interest; Phillips Petroleum Co.; ORRI;	12.50% 83.50% 4.00%	12.50% 83.50% 4.00%	1.774554
	Sec. 22: W/2 NW/4					
	(Less one acre)					
			TOTAL	100.00%	100.00%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT AC PARTICIPATION
<u>TRACT 27-A</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 22: One acre out of SW corner of W/2 NW/4	1.00	Royalty; Working Interest; ORRI;		12.50% 87.50% 0.00%	12.50% 87.50% 0.00%	.01116
	TOTAL				100.00%	100.00%	
<u>TRACT 28</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 21: SE/4 SE/4	120.00	Working Interest;		11.25%	00.00%	0.00000
	Sec. 28: E/2 NE/4		Larry Mizel; Steven Mayer Mizel; Gary Dean Mizel; Vicki Mizel; Ann Fisher; Barbara Y. Witten; Robert C. Witten; Robert C. Witten;		11.25% 11.25% 11.25% 10.00% 11.25% 11.25% 22.50%	00.00% 00.00% 00.00% 00.00% 00.00% 00.00% 00.00%	
	Trustee under that certain trust agreement dated April 1, 1975 between Saul A. Yager, Grantor & Robert C. Witten, Trustee						
	TOTAL				100.00%	100.00%	
<u>TRACT 28</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 21: NE/4 SE/4	40.00	Working Interest; Sam Lack;		100.00%	00.00%	0.00000

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT
<u>TRACT 29</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 28: N/2 SW/4 & 320.00		Royalty;	12.50%	12.50%		.357143
	SE/4 NW/4 & SE/4 &		Working Interest;	85.00%	85.00%		
	SW/4 NE/4		Phillips Petroleum Co.;	2.50%	2.50%		
			ORRI;				
			TOTAL	100.00%	100.00%		
<u>TRACT 30</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 30: SW/4 SE/4 220.00		Royalty;	12.50%	12.50%		2.455357
	Sec. 31: SE/4 NW/4 &		Working Interest;	83.50%	83.50%		
	N/2 SW/4 NW/4 & W/2 NE/4 &		El Paso Natural Gas Co.;	4.00%	4.00%		
	SE/4 NE/4		ORRI;				
			TOTAL	100.00%	100.00%		
<u>TRACT 31</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 34: SE/4 NW/4 & 128.00		Royalty;	12.50%	12.50%		1.428571
	SW/4 NE/4 & NW/4 SE/4 &		Working Interest;	85.00%	85.00%		
	NE/4 SW/4 less 32 acres		Phillips Petroleum Co.;	2.50%	2.50%		
	in the SW corner		ORRI;				
			TOTAL	100.00%	100.00%		
<u>TRACT 32</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 34: 32 acres out 32.00		Royalty;	12.50%	12.50%		3.57143
	of SW corner of the		Working Interest;	84.50%	84.50%		
	NE SW		Phillips Petroleum Co.;	3.00%	3.00%		
			ORRI;				
			TOTAL	100.00%	100.00%		

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPA
			OWNERSHIP	PERCENTAGE		
Fee	<u>T. 29N, R. 5W</u> Sec. 31: W/2 SW/4 & 100.00 S/2 SW/4 NW/4		<u>TRACT 33</u>			
			Royalty;	12.50%	12.50%	1.11607
			Working Interest:			
			El Paso Natural Gas Co.;	58.59%	58.59%	
			American Pet. Co. of Tex.;	21.88%	21.88%	
			ORRI;	7.03%*	7.03%*	
			TOTAL	100.00%	100.00%	
			<u>TRACT 34</u>			
			Royalty;	12.50%	12.50%	1.78571
			Working Interest:			
Fee	<u>T. 29N, R. 5W</u> Sec. 32: E/2 SW/4 & 160.00 W/2 SE/4		<u>TRACT 35</u>			
			Royalty;	12.5000%	12.5000%	1.78571
			Working Interest:			
			T.H. McElvain Estate-1/4	20.6250%	20.6250%	
			Ruth M. Vaughan-1/6	13.7500%	13.7500%	
			Carl R. McElvain Estate-1/6	13.7500%	13.7500%	
			J. Wm. McElvain-1/6	13.7500%	13.7500%	
			Mabelle M. Miller-1/4	20.6250%	20.6250%	
			Individually & Independent			
			Executrix of the Estate of			
Fee	<u>T. 29N, R. 5W</u> Sec. 33: W/2 NW/4 & 160.00 N/2 SW/4		Forrest B. Miller			
			ORRI;	5.0000%	5.0000%	
			TOTAL	100.0000%	100.0000%	

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XIV

THIRTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 29-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT AC PARTICIPA
<u>TRACT 37</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 21: SW/4 SE/4	80.00	Royalty;		12.50%	12.50%	.89285
	Sec. 28: NW/4 NE/4		Working Interest;				
			Phillips Petroleum Co.;		87.50%	87.50%	
			ORRI;		<u>0.00%</u>	<u>0.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 38</u>							
Fee	<u>T. 29N, R. 5W</u>						
	Sec. 22: SW/4 less	318.00	Royalty;		12.50%	12.50%	3.54910
	two acres out of		Working Interest;				
	NE/4 SW/4 & E/2 NW/4		Phillips Petroleum Co.;		87.50%	87.50%	
	Sec. 27: N/2 NW/4		ORRI;		<u>0.00%</u>	<u>0.00%</u>	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 38-B</u>							
Fee	Beginning at NW	2.00	Royalty;		12.50%	12.50%	.02232
	corner of N/2 SE/4 of Sec. 22,		Working Interest;				
	T29N, R5W, thence 420' South,		Phillips Petroleum Co.;		87.50%	87.50%	
	thence 210' West, thence 420'		ORRI;		<u>0.00%</u>	<u>0.00%</u>	
	North, thence 210' East to place		TOTAL		<u>100.00%</u>	<u>100.00%</u>	
	of beginning.						

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT
---------------	-------------	--------------------	-----------	----------------	--------------------------	-------------------------	---------------------------

RECAPITULATION

Description of Lands in Participating Area:

Township 29 North, Range 5 West, N. M. P. M.
Section 7: SE/4 & Lots 3, 4, Tract 37 Less North 10.46 acres
Section 17: S/2
Section 22: W/2
Section 26: W/2
Section 29: E/2
Section 30: W/2 & SE/4
Sections 18, 19, 20, 21, 27, 28, 31, 32, 33, 34, 35: All

Total number of acres in Participating Area: 9,120 acres
Total number of acres committed to Participating Area: 8,960 acres
Total number of acres not committed to Participating Area: 160 acres

* Borne by El Paso (Reference Tract 33)



United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

03 NOV 1980

418

NOV 07 1980

Northwest Pipeline Corporation
Attention: Mr. John W. Shepardson
One Park Central, Suite 1487
Denver, Colorado 80202

Gentlemen:

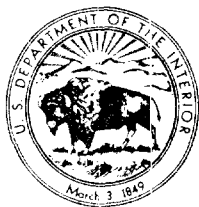
The purpose of this letter is to correct our approval letter dated October 30, 1980 for the thirteenth revision of the Dakota participating area of the San Juan 29-5 unit. Our letter described the revision as the E $\frac{1}{2}$ sec. 34. The correct description is the E $\frac{1}{2}$ sec. 35, T. 29 N., R. 5 W., N.M.P.M.

Thank you for your assistance in this matter.

Sincerely yours,

A H Capen
for Floyd Stelzer
Acting Deputy Conservation
Manager, Oil and Gas

cc:
NMOCD, Santa Fe



United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

SEP 10 1980

Northwest Pipeline Corporation
Attention: Mr. John W. Shepardson
One Park Central, Suite 1487
Denver, Colorado 80202

418

Gentlemen:

Your application of August 12, 1980 requesting approval of the twelfth and thirteenth revisions of the Dakota participating area for the San Juan 29-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-437, was approved on this date by the Deputy Conservation Manager, U. S. Geological Survey, effective as of August 1, 1978 and September 1, 1978 respectively, with the following corrections:

13th revision allocation schedule

- Tr. 4-A lease number is NM-011348, not NM-011398
- Tr. 17-B acreage is shown twice, one is marked out
- Tr. 32 allocation percentage is .357143, not 3.57143
- Tr. 34 no acreage shown - should be 160.00
- Tr. 38 no acreage shown - should be 318.00

The twelfth revision adds 1,280.00 acres described as the E $\frac{1}{2}$ sec. 33, all of sec. 34, and the W $\frac{1}{2}$ sec. 35, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 8,800.00 acres and is based on the completion of unit well No. 90 located in the SW $\frac{1}{4}$ sec. 35. Such well was completed on August 21, 1978 for an initial calculated open flow potential of 4,583 MCFD from the Dakota interval at 8,724 to 8,736 feet.

The thirteenth revision adds 320.00 acres, described as the E $\frac{1}{2}$ sec. 34, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 9,120.00 acres. Such revision is based on the completion of unit well No. 91 in the NE $\frac{1}{4}$ sec. 35. Such well was completed on September 5, 1978 for an initial calculated open flow potential of 5,240 MCFD from the Dakota interval at 8,726 to 8,736 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and one approved copy is enclosed. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORG. 328) WELSH, C. J. 10/1/80

FOR Floyd Stelzer
Acting Deputy Conservation
Manager, Oil and Gas

cc:

NMOCD. Santa Fe

State of New Mexico



Commissioner of Public Lands

September 30, 1980

ALEX J. ARMIJO
COMMISSIONER

P. O. Box 1148
SANTA FE, NEW MEXICO

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Re: San Juan 29-5 Unit
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
TWELFTH EXPANDED PARTICIPATING AREA
Dakota Formation
Effective August 1, 1978

NOTICE OF COMPLETION OF ADDITIONAL
DAKOTA WELLS-Dakota Formation

APPLICATION FOR APPROVAL OF THE
THIRTEENTH EXPANDED PARTICIPATING AREA
Dakota Formation
Effective September 1, 1978

ATTENTION: Mr. John W. Shepardson-Land Manager
(NORTHWEST EXPLORATION COMPANY)

Gentlemen:

The Commissioner of Public Lands has this date approved the Twelfth and Thirteenth Expanded Participating Area, Dakota Formation, for the San Juan 29-5 Unit, Rio Arriba County, New Mexico. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Enclosed is one approved copy for your files.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

AJA/RDG/s
encls.
cc:

OCD-Santa Fe, New Mexico ✓
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

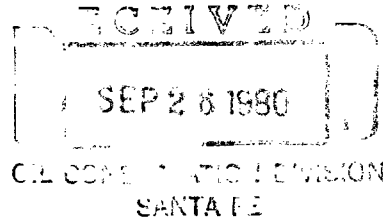
NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

418

August 12, 1980

Mr. Jack Willock
Assistant Area Oil
and Gas Supervisor
United States Geological Survey
Western National Bank Building
505 Marquette NW, Suite 815
Albuquerque, New Mexico 87102



OK
12/1/80
EP

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

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

Gentlemen:

Re: San Juan 29-5 Unit No. 14-08-001-437
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
TWELFTH EXPANDED PARTICIPATING AREA
Dakota Formation
Effective August 1, 1978

NOTICE OF COMPLETION OF ADDITIONAL
DAKOTA WELLS - DAKOTA FORMATION

APPLICATION FOR APPROVAL OF THE
THIRTEENTH EXPANDED PARTICIPATING AREA
Dakota Formation
Effective September 1, 1978

Pursuant to the provisions of Section 11 (b) of the San Juan 29-5 Unit Agreement No. 14-08-001-437, approved November 21, 1952, Northwest Pipeline Corporation, as Unit Operator, hereby respectfully requests approval of the Twelfth and Thirteenth Expanded Participating Areas for the Dakota formation, to-wit:

TWELFTH EXPANDED PARTICIPATING AREA - Effective August 1, 1978

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 29 North, Range 5 West, N.M.P.M.</u>	1,280.00
Section 33: E/2	
Section 34: All	
Section 35: W/2	

This proposed Twelfth Revision of the Total Participating Area for the Dakota formation is predicated upon the determination by Northwest Pipeline Corporation, as Unit Operator, that the following San Juan 29-5 Unit Dakota wells which were completed outside the limits of the existing Dakota Participating Area, are capable of producing unitized substances in paying quantities from the Dakota formation. These wells are as follows:

The San Juan Unit No. 90 Well is located 1180 feet from the South Line and 1750 feet from the West Line, Section 35, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 30, 1978 and completed on August 21, 1978 in the Dakota formation at a plugback depth of 8788 feet. The Dakota formation was perforated from 8724 to 8736 feet with 24 shots.

These perforations were treated with 500 gal. 7-1/2% HCl followed by a sand-water fracturing. The well was shut in August 13, 1978 for seven days with a SIPT of 2018 psig and SIPC of 1929 psig. On August 21, 1978, the well was tested and after flowing three (3) hours through a 3/4 inch variable choke on the 2-3/8 inch tubing, the well gauged 3468 MCFD with a calculated AOF of 4583 MCFD.

NOTICE OF COMPLETION OF ADDITIONAL DAKOTA WELLS

Pertinent Data is as follows:

The San Juan Unit No. 88 Well is located 2450 feet from the North Line and 1850 feet from the East Line, Section 34, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 6, 1978 and completed on September 13, 1978 in the Dakota formation at a plugback depth of 8009 feet. The Dakota formation was perforated from 7982 to 7994 feet w/2 SPF, 24 shots.

These perforations were treated with 500 gal. 7-1/2% HCl followed by sand-water fracturing. The well was shut in September 6, 1978 for seven days with a SIPT of 2372 psig and SIPC of 2493 psig. On September 13, 1978, 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 2760 MCFD with a calculated AOF of 3078 MCFD.

The San Juan Unit No. 89 Well is located 2300 feet from the South Line and 1830 feet from the West Line, Section 34, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on November 4, 1978 and completed on November 21, 1978 in the Dakota formation at a plugback depth of 7982 feet. The Dakota formation was perforated from 7954 to 7966 feet with 24 holes at 2 SPF.

These perforations were treated with 500 gal. 7-1/2% HCl followed by sand-water fracturing. The well was shut in November 14, 1978 for seven days with a SIPT of 2011 psig and SIPC of 2215 psig. On November 21, 1978, 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 2827 MCFD with a calculated AOF of 3186 MCFD.

THIRTEENTH EXPANDED PARTICIPATING AREA - Effective September 1, 1978

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 29 North, Range 5 West, N.M.P.M.</u>	320
Section 35: E/2	

This proposed Thirteenth Revision of the Total Participating Area for the Dakota formation is predicated upon the determination by Northwest Pipeline Corporation, as Unit Operator, that the following San Juan 29-5 Unit Dakota Well which was completed outside the limits of the existing Dakota Participating Area, is capable of producing unitized substances in paying quantities from the Dakota formation. This well is as follows:

The San Juan Unit No. 91 Well is located 1140 feet from the North Line and 1840 feet from the East Line, Section 35, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 13, 1978 and completed on September 5, 1978 in the Dakota formation at a plugback depth of 8782 feet. The Dakota formation was perforated from 8726 to 8736 feet with 22 shots.

These perforations were treated with 500 gal. 7-1/2% HCl followed by sand-water fracturing. The well was shut in August 26, 1978 for 10 days with a SIPT of 2309 psig and SIPC of 2639 psig. On September 5, 1978, 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 4322 MCFD with a calculated AOF of 5240 MCFD.

In support of this application, the following listed Exhibits are made a part hereof:

EXHIBIT "A"

Ownership maps reflecting the boundaries of the Unit and the proposed Twelfth and Thirteenth Expansions of the Participating

Area of the Dakota formation within the San Juan 29-5 Unit.

EXHIBIT "B"

Geological Report on the Twelfth and Thirteenth Expansions of the Participating Area of the Dakota formation within the San Juan 29-5 Unit.

EXHIBIT "C"

Figure No. 1: San Juan 29-5 Unit Dakota Structure Map.
Figure No. 2: San Juan 29-5 Unit Dakota Isopach Map.

EXHIBIT "D"

Schedule of San Juan 29-5 Unit Dakota production.

Attached hereto are Schedules XIII and XIV showing the proposed Twelfth and Thirteenth Expanded Participating Areas for the Dakota formation in the San Juan 29-5 Unit Area. These Schedules describe the Participating Area, show the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in the tracts.

If the Twelfth and Thirteenth Expanded Participating Areas of the Dakota formation meet with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy hereof for our files.

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

Very truly yours,

NORTHWEST EXPLORATION COMPANY

By John W. Shepardson
John W. Shepardson
Land Manager

JWS:KM:nn
Attachments

cc: Working Interest Owners

SAN JUAN 29-5 UNIT

Working Interest Owners

Sun Gas Company
Attention: V. M. Williams
Post Office Box 20
Dallas, Texas 75221

Phillips Petroleum Company
Attention: N. N. Beckner
7800 East Dorado Place
Englewood, Colorado 80111

Mr. Forrest B. Miller and
Mabelle M. Miller
1224 Lois Street
Post Office Box 1445
Kerrville, Texas 78028

Koch Industries, Inc.
Post Office Box 2256
Wichita, Kansas 67201

General American Oil Company
of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. A. M. Roney
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

Mr. J. William McElvain
310 East Jefferson Street
Morris, Illinois 60450

El Paso Natural Gas Company
Attention: James R. Permenter
Post Office Box 1492
El Paso, Texas 79978

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

Mrs. Catherine B. McElvain, Individually
and as Executrix of the Estate of
T. H. McElvain, Deceased
Post Office Box 2148
Santa Fe, New Mexico 87501

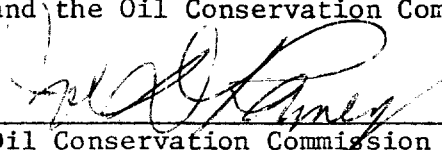
Mr. Tom Bolack
1010 North Dustin Drive
Farmington, New Mexico 87401

American Petrofina Company
of Texas
Post Office Box 2159
Dallas, Texas 75221

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

APPROVED: _____ DATE: _____
Assistant Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey
and the Oil Conservation Commission

APPROVED:  _____ DATE: 12/8/80
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

The foregoing approvals are for the San Juan 29-5 Unit No. 14-08-001-437,
Rio Arriba County, New Mexico, Twelfth and Thirteenth Expanded Participating
Areas.