

PAGE 1

SCHEDULE XVI
FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 27-4 UNIT AREA

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

TRACT 6

F 080670	T-27-N, R-4-W	2,564.72				
	Sec. 29: All		Royalty	12.50000%	12.50000%	19.303537%
	Sec. 30: Lots 1,2,3,4, E/2 W/2, E/2		Working Interest* El Paso Natural Gas Co. ORRI	66.78375% 20.71625% 100.00000%	66.78375% 20.71625% 100.00000%	
	Sec. 31: Lots 1,2,3,4 E/2 W/2, E/2					
	Sec. 32: All					
			TOTAL	100.00000%	100.00000%	

TRACT 10

F 080673	T-27-N, R-4-W	2,561.11				
	Sec. 5: Lots 1,2,3,4, S/2 N/2, S/2		Royalty	12.50000%	12.50000%	19.276366%
	Sec. 6: Lots 1,2,3,4,5, 6,7, S/2 NE/4, SE/4 NW/4, E/2 SW/4, SE/4 (All)		Working Interest* El Paso Natural Gas Co. ORRI	66.78375% 20.71625% 100.00000%	66.78375% 20.71625% 100.00000%	
	Sec. 7: Lots 1,2,3,4, E/2 W/2, E/2 (All)					
	Sec. 8: All					
			TOTAL	100.00000%	100.00000%	

TRACT 11

F 080674	T-27-N, R-4-W	1,280.00				
	Sec. 16: All		Royalty	12.50000%	12.50000%	9.634006%
	Sec. 21: All		Working Interest** El Paso Natural Gas Co. ORRI	66.78375% 20.71625% 100.00000%	66.78375% 20.71625% 100.00000%	
			TOTAL	100.00000%	100.00000%	

*After Payout PWG Partnership will have a working interest
**After Payout PWG Partnership and T.H. Harrington, et al will have a working interest

SCHEDULE XVI
FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 080675	T-27-N, R-4-W	2,400.00				
	Sec. 27: A11		Royalty	12.500008	12.500008	18.0637618
	Sec. 28: A11		Working Interest**			
	Sec. 33: A11		El Paso Natural Gas Co.	66.783758	66.783758	
	Sec. 34: N/2, SW/4		ORRI	20.716258	20.716258	
			TOTAL	100.000008	100.000008	
			TRACT 12			
Fee	T-27-N, R-4-W	321.13				
	Sec. 17: W/2 SW/4		Royalty	12.500008	12.500008	2.4170068
	Sec. 18: N/2 SE/4		Working Interest			
	Sec. 19: Lots 2,3,4, SE/4 SW/4		El Paso Natural Gas Co.	82.500008	82.500008	
			ORRI	5.000008	5.000008	
			TOTAL	100.000008	100.000008	
			TRACT 13			
Fee	T-27-N, R-4-W	160.63				
	Sec. 18: Lots 3,4, E/2 SW/4		Royalty	12.500008	12.500008	1.2089928
			Working Interest:			
			El Paso Natural Gas Co.	85.000008	85.000008	
			ORRI	2.500008	2.500008	
			TOTAL	100.000008	100.000008	
			TRACT 14			

*After Payout PMG Partnership will have a working interest
**After Payout PMG Partnership and T.H. Harrington, et al will have a working interest

Effective July 1, 1982

SCHEDULE XVI
FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 27-4 UNIT AREA

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

RECAPITULATION

Description of Lands in Participating Area:

Township 27 North, Range 4 West, N.M.P.M.
 Section 3: W/2
 Section 4: A11
 Section 5: A11
 Section 6: A11
 Section 7: A11
 Section 8: A11
 Section 9: A11
 Section 16: A11
 Section 17: A11
 Section 18: A11
 Section 19: A11
 Section 20: A11
 Section 21: A11
 Section 27: A11
 Section 28: A11
 Section 29: A11
 Section 30: A11
 Section 31: A11
 Section 32: A11
 Section 33: A11
 Section 34: N/2, SW/4
 Section 36: W/2

Total Number of Acres in Participating Area: 13,286.27
 Total Number of Acres Participating: 13,286.27

Percent of Basic Royalty Committed: 100.00%
 Percent of Working Interest Committed: 100.00%
 Percent of ORRI Committed: 100.00%



United States Department of the Interior

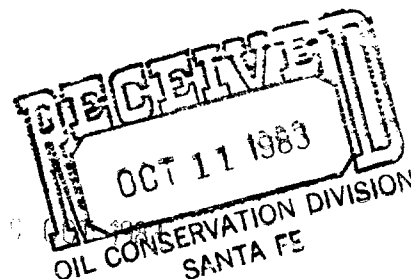
IN REPLY REFER TO

SJ27-4 Unit

BUREAU OF LAND MANAGEMENT

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

#554



El Paso Exploration Company
Attention: Van L. Goebel
P.O. Box 1492
El Paso, Texas 79978

Dear Mr. Goebel:

Three approved copies of your amended 1983 plan of development for the San Juan 27-4 unit area, Rio Arriba County, New Mexico are enclosed. Such plan, correcting a typing error in regard to well #152 which is proposed for the W $\frac{1}{2}$ Section 3 not the E $\frac{1}{2}$ as listed on the original plan was approved on this date.

Sincerely yours,

L. Paul Applegate
District Manager

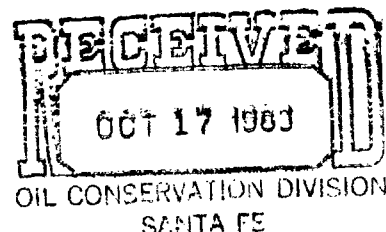
Enclosure

554

El Paso
Exploration Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

October 11, 1983



Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
TWENTY-EIGHTH AND TWENTY-NINTH
EXPANDED PARTICIPATING AREAS
Mesaverde Formation
Effective December 1, 1980 and
November 1, 1982, respectively
CORRECTION FOR EXPANSIONS SUBMITTED

Gentlemen:

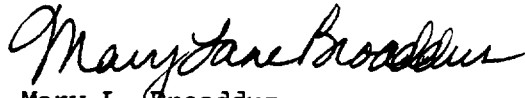
The referenced expansions were filed by letter dated October 5, 1983. It has now been brought to our attention that there is an error in Schedules XXIX and XXX. On page two of each of the referenced expansions Tract 10 contains a wrong description for Section 5 of Township 27 North, Range 4 West. The participating area does not include the W/2 of Section 5; therefore, the description for the acreage in Section 5 included has been changed as has the Recapitulation page for each respective expansion schedule. The acreage included in the participating area was unaffected by the error and is correct as shown. Please substitute these pages in the expansions previously filed.

In as much as the schedules and corrections therefore require no official approval, no provision is made for same. The expanded participating areas will become effective as of the dates referenced above.

Letter to Agencies
October 11, 1983
Page Two

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

A handwritten signature in cursive script, reading "Mary L. Broadus".

Mary L. Broadus
Landman
Land Department

MLB:cc
Attachments
San Juan 27-4 Unit, 4.2

cc: Mr. Antonio Martinez, Executive Director
New Mexico Oil and Gas Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

SAN JUAN 27-4
MESAVERDE WORKING
INTEREST OWNERS

Mary Jone Chappell

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

PWG Partnership

SAN JUAN 27-4 UNIT AREA

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

SF 080670 T-27-N, R-4-W 2,564.72

<u>T-27-N, R-4-W</u>	
Sec. 29:	A11
Sec. 30:	A11
Sec. 31:	A11
Sec. 32:	A11

Royalty:	
Working Interest:	
El Paso Natural Gas Co.	
PWG Partnership	
ORRI	
TOTAL	

TRACT 6

$$\begin{array}{r} 12.500000\% \\ 41.250000\% \\ 41.250000\% \\ 5.000000\% \\ \hline 100.000000\% \end{array}$$

12.500000%	41.250000%
	41.250000%
	5.000000%
	<u>100.000000%</u>

14.4356678

SF 080671-A T-27-N, R-4-W 320.00

T-27-N, R-4-W
Sec. 11: W/2

Royalty: Working Interest:
El Paso Natural Gas Co.
ORRI

TRACT 8

$$\begin{array}{r} 12.500000\% \\ 82.500000\% \\ 5.000000\% \\ \hline 100.000000\% \end{array}$$
$$\begin{array}{r} 12.500000\% \\ 82.500000\% \\ 5.000000\% \\ \hline 100.000000\% \end{array}$$

1.801138%

SF 080672 T-27-N, R-4-W 960.00

T-27-N, R-4-W
Sec. 14: W/2
Sec. 23: A11

Royalty:
Working Interest:
El Paso Natural Gas Co.
PWG Partnership
ORRI

TRACT 9

12.500000%	41.250000%	41.250000%
	5.000000%	41.250000%
		5.000000%
		100.000000%

12.500000%
41.250000%
41.250000%
5.000000%
100.000000%

5.4034138

SF 080673 T-27-N, R-4-W 2,241.52

T-27-N, R-4-W 2,241.52
Sec. 5: Lots 1,2, S/2
NE/4, SE/4

Royalty:
Working Interest:
El Paso Natural Gas Co.
PWG Partnership
ORRI

TRACT 1

12.500000%
41.250000%
41.250000%
5.000000%
100.000000%

12.500000%
41.250000%
41.250000%
5.000000%
100.000000%

12.616518%

SCHEDULE XXX
TWENTY-NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 27-4 UNIT AREA

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

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

Description of Lands in Participating Area:

Township 27 North, Range 4 West, N.M.P.M.

Section 5: E/2
Sections 1, 11, 14: W/2
Sections 3, 4, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20,
21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 36: All
Section 34: W/2, NE/4

Total number of acres in Participating Area: 17,766.55
Percent of Basic Royalty Committed: 100.000000%
Percent of Working Interest Committed: 100.000000%
Percent of ORRI Committed: 100.000000%

SCHEDULE XXIX
TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERT FORMATION
SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 080670	T-27-N, R-4-W Sec. 29: All Sec. 30: All Sec. 31: All Sec. 32: All	2,564.72	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000% 41.250000% 41.250000% 5.000000%	12.500000% 41.250000% 41.250000% 5.000000%	15.258970%
			TOTAL	100.000000%	100.000000%	
			TRACT 6			
SF 080671-A	T-27-N, R-4-W Sec. 11: W/2	320.00	Royalty: Working Interest: El Paso Natural Gas Co. ORRI	12.500000% 82.500000% 5.000000%	12.500000% 82.500000% 5.000000%	1.903861%
			TOTAL	100.000000%	100.000000%	
			TRACT 8			
SF 080672	T-27-N, R-4-W Sec. 14: W/2 Sec. 23: All	960.00	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000% 41.250000% 41.250000% 5.000000%	12.500000% 41.250000% 41.250000% 5.000000%	5.711583%
			TOTAL	100.000000%	100.000000%	
			TRACT 9			
SF 080673	T-27-N, R-4-W Sec. 5: Lots 1,2, S/2 NE/4, SE/4 Sec. 6: All Sec. 7: All Sec. 8: All	2,241.52	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000% 41.250000% 41.250000% 5.000000%	12.500000% 41.250000% 41.250000% 5.000000%	13.336070%
			TOTAL	100.000000%	100.000000%	
			TRACT 10			

SCHEDULE XXIX
 TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 27-4 UNIT AREA

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

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

Description of Lands in Participating Area:

Township 27 North, Range 4 West, N.M.P.M.

Section 5: E/2
 Sections 1, 4, 11, 14: W/2
 Sections 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 36: All
 Section 34: W/2, NE/4

Total number of acres in Participating Area: 16,807.95
 Percent of Basic Royalty Committed: 100.0000008
 Percent of Working Interest Committed: 100.0000008
 Percent of ORRI Committed: 100.0000008

El Paso
Exploration Company

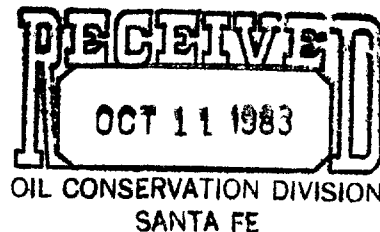
#554
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

October 5, 1983

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELLS
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-4 Unit Agreement #14-08-001-1054, approved September 3, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that three (3) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-4 Unit #139 Well was completed on November 9, 1981. The Mesaverde Formation was tested on November 16, 1981, with an after frac gauge of 3599 MCF/D. The spacing unit for this well is described as the E/2 of Section 9, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-4 Unit #140 Well was completed on November 2, 1981. The Mesaverde Formation was tested on November 9, 1981, with an after frac gauge of 2047 MCF/D. The spacing unit for this well is described as the E/2 of Section 10, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-4 Unit #149 Well was completed on September 30, 1982. The Mesaverde Formation was tested on September 30, 1982, with an after frac gauge of 2449 MCF/D. The spacing unit for this well is described as the W/2 of Section 22, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

Regulatory Agencies
October 5, 1983
Page Two

All of the drilling blocks for the above-described wells are included within the existing Mesaverde Formation Participating Area; therefore, the Mesaverde Participating Area is not enlarged by these wells.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

A handwritten signature in cursive script that reads "Mary L. Broaddus".

Mary L. Broaddus
Landman
Land Department

MLB:krm
Attachment
San Juan 27-4 Unit, 4.2

cc: Mr. Antonio Martinez, Executive Director
New Mexico Oil and Gas Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

SAN JUAN 27-4
MESAVERDE WORKING
INTEREST OWNERS

Mary Jone Chappell

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

PWG Partnership

#554

El Paso
Exploration Company

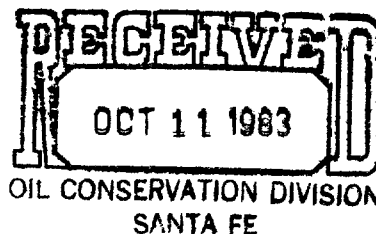
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

October 5, 1983

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
TWENTY-EIGHTH AND TWENTY-NINTH
EXPANDED PARTICIPATING AREAS
Mesaverde Formation
Effective December 1, 1980 and
November 1, 1982, respectively

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-4 Unit Agreement, #14-08-001-1054, approved September 3, 1953, El Paso Natural Gas Company, as Unit Operator, submits the Twenty-Eighth and Twenty-Ninth Expanded Participating Areas for the Mesaverde Formation effective December 1, 1980 and November 1, 1982, respectively.

El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below, that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed on acreage committed to this Unit and has created the Twenty-Eighth Expanded Participating Area. This well has also created two (2) Intervening Drilling Blocks. The #139 and #140 (Mesaverde) wells were drilled and completed on this acreage in 1981. The Participating Area for the Mesaverde Formation is expanded to include the following well and acreage:

Twenty-Eighth Expanded Participating Area - Effective 12-1-80

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
<u>Township 27 North, Range 4 West</u>		
Section 10: W/2	320.00	San Juan 27-4 Unit #98
Section 9: E/2	320.00	Intervening Drilling Block
Section 10: E/2	320.00	Intervening Drilling Block

Pertinent data on this well is as follows:

The San Juan 27-4 Unit #98 Well, located 1180' from the South line and 1840' from the West line of Section 10, Township 27 North, Range 4 West, N.M.P.M., was originally drilled as a Dakota well, but work to plug back the well to the Mesaverde formation was commenced on July 22, 1980, and completed on October 22, 1980, at a total depth of 6200'. The Mesaverde Formation at intervals from 5759' to 6095' was treated with a sand-water fracturing process on October 22, 1980. The well was shut-in on October 22, 1980, and after being shut-in for twelve (12) days, the Mesaverde Formation was tested on November 3, 1980, using the Pitot tube method with an after frac gauge of 1445 MCF/D, with an SIPC of 1091 psia and an SIPT of 1232 psia. The spacing unit for this well is described as the W/2 of Section 10, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below, that two (2) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed on acreage committed to this Unit and have created the Twenty-Ninth Expanded Participating Area. These wells have also created an Intervening Drilling Block. The #152 (Mesaverde) well is scheduled for drilling in 1983. The Participating Area for the Mesaverde Formation is expanded to include the following wells and acreage:

Twenty-Ninth Expanded Participating Area - Effective 11-1-82

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
<u>Township 27 North, Range 4 West</u>		
Section 4: E/2	319.20	San Juan 27-4 Unit #146
Section 3: E/2	319.96	San Juan 27-4 Unit #147
Section 3: W/2	319.44	Intervening Drilling Block

Pertinent data on these wells is as follows:

The San Juan 27-4 Unit #146 Well, located 1740' from the North line and 1540' from the East line of Section 4, Township 27 North, Range 4 West, N.M.P.M., was spudded on July 30, 1982, and completed on October 14, 1982,

Regulatory Agencies
October 5, 1983
Page Three

to a total depth of 6720'. The Mesaverde Formation between the intervals of 6318' to 6603' was treated with a sand-water fracturing process on October 3, 1982. The well was shut-in on October 6, 1982, and after being shut-in for eight (8) days, the Mesaverde Formation was tested on October 14, 1982, using the Pitot tube method with an after frac gauge of 2047 MCF/D, with an SIPC of 1159 psia and an SIPT of 1002 psia. The spacing unit for this well is described as the E/2 of Section 4, Township 27 North, Range 4 West, N.M.P.M., containing 319.26 acres.

The San Juan 27-4 Unit #147 Well, located 800' from the North line and 1180' from the East line of Section 3, Township 27 North, Range 4 West, N.M.P.M., was spudded on August 7, 1982, and completed on October 11, 1982, to a total depth of 6700'. The Mesaverde Formation between the intervals of 5899' to 6652' was treated with a sand-water fracturing process on September 29, 1982. The well was shut-in on October 1, 1982, and after being shut-in for ten (10) days, the Mesaverde Formation was tested on October 11, 1982, using the choke nipple method with an after frac gauge of 2695 MCF/D, with an SIPC of 1192 psia and an SIPT of 590 psia. The spacing unit for this well is described as the E/2 of Section 3, Township 27 North, Range 4 West, N.M.P.M., containing 319.96 acres.

Attached is Schedule XXIX showing the Twenty-Eighth Expanded Participating Area for the Mesaverde Formation and Schedule XXX showing the Twenty-Ninth Expanded Participating Area for the Mesaverde Formation of the San Juan 27-4 Unit Area. These describe the Expanded Participating Areas and show the percentage of unitized substances allocated to each unitized tract. Inasmuch as the Schedules require no official approval, no provision is made therefor, and in the absence of disapproval, the Twenty-Eighth Expanded Participating Area will become effective as of December 1, 1980, and the Twenty-Ninth Expanded Participating Area will become effective as of November 1, 1982.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Mary L. Broadus
Landman
Land Department

MLB:krm
Attachment
San Juan 27-4 Unit, 4.2

cc: Mr. Antonio Martinez, Executive Director
New Mexico Oil and Gas Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

SAN JUAN 27-4
MESAVERDE WORKING
INTEREST OWNERS

Mary Jone Chappell

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

PWG Partnership

SCHEDULE XXIX
TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 013297	T-27-N, R-4-W Sec. 1: Lots 3, 4, S/2 NW/4, SW/4 (W/2)	319.91	TRACT 1			
	Royalty:	12.500000%		12.500000%		1.903325%
	Working Interest:	83.750000%		83.750000%		
	El Paso Natural Gas Co.	3.750000%		3.750000%		
	ORRI	100.000000%		100.000000%		
	TOTAL					
			TRACT 2			
SF 079527	T-27-N, R-4-W Sec. 26: All Sec. 36: All	1,280.00	TRACT 2			
	Royalty:	12.500000%		12.500000%		7.615444%
	Working Interest:	83.750000%		83.750000%		
	El Paso Natural Gas Co.	3.750000%		3.750000%		
	ORRI	100.000000%		100.000000%		
	TOTAL					
			TRACT 4			
SF 080668	T-27-N, R-4-W Sec. 4: Lots 3, 4, S/2 NW/4, SW/4 Sec. 9: All Sec. 10: All	1,599.20	TRACT 4			
	Royalty:	12.500000%		12.500000%		9.514545%
	Working Interest:	41.250000%		41.250000%		
	El Paso Natural Gas Co.	41.250000%		41.250000%		
	PWG Partnership	5.000000%		5.000000%		
	ORRI	100.000000%		100.000000%		
	TOTAL					
			TRACT 5			
SF 080669	T-27-N, R-4-W Sec. 17: NW/4, E/2 SW/4, E/2 Sec. 18: Lots 1, 2, E/2 NW/4, NE/4, S/2 SE/4 Sec. 19: Lot 1, E/2 NW/4, NE/4 SW/4, E/2 Sec. 20: All	2,080.84	TRACT 5			
	Royalty:	12.500000%		12.500000%		12.380094%
	Working Interest:	41.250000%		41.250000%		
	El Paso Natural Gas Co.	41.250000%		41.250000%		
	PWG Partnership	5.000000%		5.000000%		
	ORRI	100.000000%		100.000000%		
	TOTAL					

SCHEDULE XXIX
TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 080670	T-27-N, R-4-W Sec. 29: All Sec. 30: All Sec. 31: All Sec. 32: All	2,564.72	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>15.258970%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 6			
SF 080671-A	T-27-N, R-4-W Sec. 11: W/2	320.00	Royalty: Working Interest: El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	<u>1.903861%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 9			
SF 080672	T-27-N, R-4-W Sec. 14: W/2 Sec. 23: All	960.00	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>5.711583%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 10			
SF 080673	T-27-N, R-4-W Sec. 5: All Sec. 6: All Sec. 7: All Sec. 8: All	2,241.52	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>13.336070%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

Effective 12-1-80

SCHEDULE XXIX
TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERT DE FORMATION
SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 080674	T-27-N, R-4-W	2,560.00				
	Sec. 15: All		Royalty:	12.500000%	12.500000%	15.230888%
	Sec. 16: All		Working Interest:			
	Sec. 21: All		El Paso Natural Gas Co.	41.250000%	41.250000%	
	Sec. 22: All		PWG Partnership	27.500000%	27.500000%	
			T. H. Harrington	2.750000%	2.750000%	
			Gerald E. Harrington	2.750000%	2.750000%	
			F. Eugene Harrington	2.750000%	2.750000%	
			James V. Harrington	2.750000%	2.750000%	
			Mary Jone Chappell	2.750000%	2.750000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 11			
			Royalty:	12.500000%	12.500000%	15.230888%
			Working Interest:			
			El Paso Natural Gas Co.	41.250000%	41.250000%	
			PWG Partnership	27.500000%	27.500000%	
			T. H. Harrington	2.750000%	2.750000%	
			Gerald E. Harrington	2.750000%	2.750000%	
			F. Eugene Harrington	2.750000%	2.750000%	
			James V. Harrington	2.750000%	2.750000%	
			Mary Jone Chappell	2.750000%	2.750000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 12			
			Royalty:	12.500000%	12.500000%	14.278957%
			Working Interest:			
			El Paso Natural Gas Co.	41.250000%	41.250000%	
			PWG Partnership	27.500000%	27.500000%	
			T. H. Harrington	2.750000%	2.750000%	
			Gerald E. Harrington	2.750000%	2.750000%	
			F. Eugene Harrington	2.750000%	2.750000%	
			James V. Harrington	2.750000%	2.750000%	
			Mary Jone Chappell	2.750000%	2.750000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 13			
			Royalty:	12.500000%	12.500000%	1.910584%
			Working Interest:			
			El Paso Natural Gas Co.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XXIX
 TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
	<u>T-27-N, R-4-W</u>	<u>160.63</u>				
	<u>Sec. 18: Lots 3, 4,</u>					
	<u>E/2 SW/4</u>					
	Royalty:			12.5000008	12.5000008	<u>0.9556798</u>
	Working Interest:					
	El Paso Natural Gas Co.			82.5000008	82.5000008	
	ORRI			5.0000008	5.0000008	
	TOTAL			<u>100.0000008</u>	<u>100.0000008</u>	

SCHEDULE XXIX
TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 27-4 UNIT AREA

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

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

Description of Lands in Participating Area:

Township 27 North, Range 4 West, N.M.P.M.

Sections 1, 4, 11, 14: W/2
Sections 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21,
22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 36: All
Section 34: W/2, NE/4

Total number of acres in Participating Area: 16,807.95

Percent of Basic Royalty Committed: 100.0000008
Percent of Working Interest Committed: 100.0000008
Percent of ORRI Committed: 100.0000008

SCHEDULE XXX
TWENTY-NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
3F 013297	T-27-N, R-4-W Sec. 1: Lots 3, 4, S/2 NW/4, SW/4 (W/2)	319.91	Royalty: Working Interest: El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	<u>1.800631%</u>
			TOTAL	100.000000%	100.000000%	
			TRACT 1			
3F 079527	T-27-N, R-4-W Sec. 26: A11 Sec. 36: A11	1,280.00	Royalty: Working Interest: El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	<u>7.204550%</u>
			TOTAL	100.000000%	100.000000%	
			TRACT 2			
3F 080668	T-27-N, R-4-W Sec. 3: A11 Sec. 4: A11 Sec. 9: A11 Sec. 10: A11	2,557.80	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>14.396717%</u>
			TOTAL	100.000000%	100.000000%	
			TRACT 4			
3F 080669	T-27-N, R-4-W Sec. 17: NW/4, E/2 SW/4, E/2 Sec. 18: Lots 1, 2, E/2 NW/4, NE/4, S/2 SE/4 Sec. 19: Lot 1, E/2 NW/4, NE/4 SW/4, E/2 Sec. 20: A11	2,080.84	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>11.712122%</u>
			TOTAL	100.000000%	100.000000%	
			TRACT 5			

SCHEDULE XXX
 TWENTY-NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 080670	T-27-N, R-4-W Sec. 29: A11 Sec. 30: A11 Sec. 31: A11 Sec. 32: A11	2,564.72	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>14.435667%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 6			
SF 080671-A	T-27-N, R-4-W Sec. 11: W/2	320.00	Royalty: Working Interest: El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	<u>1.801138%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 8			
SF 080672	T-27-N, R-4-W Sec. 14: W/2 Sec. 23: A11	960.00	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>5.403413%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 9			
SF 080673	T-27-N, R-4-W Sec. 5: A11 Sec. 6: A11 Sec. 7: A11 Sec. 8: A11	2,241.52	Royalty: Working Interest: El Paso Natural Gas Co. PWG Partnership ORRI	12.500000%	12.500000%	<u>12.616518%</u>
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 10			

Effective 11-1-82

SCHEDULE XXX
TWENTY-NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 080674	T-27-N, R-4-W	2,560.00				
	Sec. 15: A11		Royalty:	12.500000%	12.500000%	14.409100%
	Sec. 16: A11		Working Interest:			
	Sec. 21: A11		El Paso Natural Gas Co.	41.250000%	41.250000%	
	Sec. 22: A11		PWG Partnership	27.500000%	27.500000%	
			T. H. Harrington	2.750000%	2.750000%	
			Gerald E. Harrington	2.750000%	2.750000%	
			F. Eugene Harrington	2.750000%	2.750000%	
			James V. Harrington	2.750000%	2.750000%	
			Mary Jone Chappell	2.750000%	2.750000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 11			
			Royalty:	12.500000%	12.500000%	14.409100%
			Working Interest:			
			El Paso Natural Gas Co.	41.250000%	41.250000%	
			PWG Partnership	27.500000%	27.500000%	
			T. H. Harrington	2.750000%	2.750000%	
			Gerald E. Harrington	2.750000%	2.750000%	
			F. Eugene Harrington	2.750000%	2.750000%	
			James V. Harrington	2.750000%	2.750000%	
			Mary Jone Chappell	2.750000%	2.750000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 12			
			Royalty:	12.500000%	12.500000%	13.508531%
			Working Interest:			
			El Paso Natural Gas Co.	41.250000%	41.250000%	
			PWG Partnership	27.500000%	27.500000%	
			T. H. Harrington	2.750000%	2.750000%	
			Gerald E. Harrington	2.750000%	2.750000%	
			F. Eugene Harrington	2.750000%	2.750000%	
			James V. Harrington	2.750000%	2.750000%	
			Mary Jone Chappell	2.750000%	2.750000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 13			
			Royalty:	12.500000%	12.500000%	1.807498%
			Working Interest:			
			El Paso Natural Gas Co.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	

See T-27-N, R-4-W 321.13

Sec. 17: W/2 SW/4
Sec. 18: N/2 SE/4
Sec. 19: Lots 2, 3, 4,
SE/4 SW/4

SCHEDULE XXX
 TWENTY-NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION
 SAN JUAN 27-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
	<u>T-27-N, R-4-W</u>	<u>160.63</u>				<u>0.9041158</u>
	<u>Sec. 18: Lots 3, 4,</u>					
	<u>E/2 SW/4</u>					
	Royalty:			12.500000%	12.500000%	
	Working Interest:			82.500000%	82.500000%	
	El Paso Natural Gas Co.			5.000000%	5.000000%	
	ORRI			100.000000%	100.000000%	
	TOTAL			100.000000%	100.000000%	

SCHEDULE XXX
TWENTY-NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 27-4 UNIT AREA

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

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

Description of Lands in Participating Area:

Township 27 North, Range 4 West, N.M.P.M.

Sections 1, 11, 14: W/2
Sections 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20,
21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33, 36: All
Section 34: W/2, NE/4

Total number of acres in Participating Area:

17,766.55

Percent of Basic Royalty Committed:

100.0000008

Percent of Working Interest Committed:

100.0000008

Percent of ORRI Committed:

100.0000008



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

FEDERAL EXPRESS

September 29, 1983

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

Pursuant to your letter dated August 29, 1983, in reference to our 1983 Drilling Program letter dated July 20, 1983, please be advised the drilling block indicated for the #152 Mesaverde well contained a typing error. The correct drilling block for the #152 well is located below.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#152	W/2 Section 3-27N-4W	Mesaverde

Please change your records to indicate this well will be drilled in the W/2 of Section 3.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Van L. Goebel", written in a cursive style.

Van L. Goebel
Landman
Land Department

VLG:cc
San Juan 27-4 Unit, 3.0

cc: Commissioner of Public Lands
(Information only)

SAN JUAN 27-4
WORKING INTEREST OWNERS

Mary Jone Chappell

Clifton Resources, Inc.

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

Phillips Oil Company

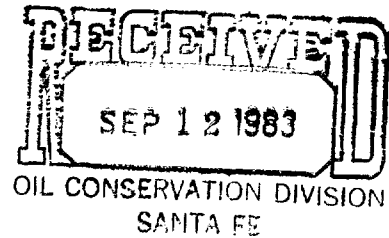
PWG Partnership

Mr. M. A. Romero

El Paso
Exploration Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

September 6, 1983



Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

Pursuant to your letter dated August 29, 1983, in reference to our 1983 Drilling Program letter dated July 20, 1983, please be advised the drilling block indicated for the #152 Mesaverde Well contained a typing error. The correct drilling block for the #152 well is indicated below.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#152	E/2 Section 3-27N-4W	Mesaverde

Please change your records to indicate this well will be drilled in section 3 rather than section 4.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

A handwritten signature in cursive script that reads "Van L. Goebel".

Van L. Goebel
Landman
Land Department

VLG:cc
San Juan 27-4 Unit, 3.0

cc: Commissioner of Public Lands
(Information only)

SAN JUAN 27-4
WORKING INTEREST OWNERS

Mary Jone Chappell

Clifton Resources, Inc.

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

Phillips Oil Company

PWG Partnership

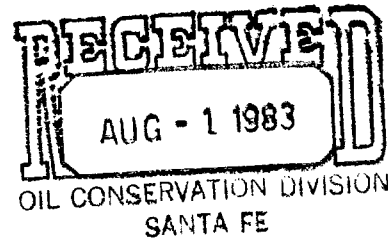
Mr. M. A. Romero

July 20, 1983

554

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

By letter dated March 31, 1982, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program concerning the captioned Unit for the calendar year 1982 providing for the drilling of five Mesaverde wells (#145, 146, 147, 149, 32), one Pictured Cliffs well (#148), and one Dakota well (#150). All the wells have been completed. Wells #145, 149 and 32 are within the Mesaverde Formation Participating Area. Well #148 is within the Pictured Cliffs Participating Area.

Wells #146 and 147 are outside the Mesaverde Participating Area, and well #150 is outside the Dakota Participating Area. These three wells are being evaluated to determine if they will cause an expansion of their respective Participating Areas.

As of this date, the total number of active wells in the San Juan 27-4 Unit is as follows:

Pictured Cliffs	44
Mesaverde	35
Dakota	33
Mesaverde (Non-commercial)	1
Dakota (Non-commercial)	1
Pictured Cliffs/Mesaverde	23
Mesaverde/Dakota	5
Gallup/Dakota	3
	<u>145</u>

Pursuant to Section 10 of the San Juan 27-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of the following well during the calendar year of 1983:

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#152	E/2 Section 4-27N-4W	Mesaverde

Regulatory Agencies
July 20, 1983
Page Two

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY



D. N. Canfield
Attorney-in-Fact

DNC:MLB:ljg
Attachment
San Juan 27-4, 3.0

cc: Commissioner of Public Lands
(Information Only)

SAN JUAN 27-4
WORKING INTEREST OWNERS

Mary Jone Chappell

Clifton Resources, Inc.

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

Phillips Oil Company

PWG Partnership

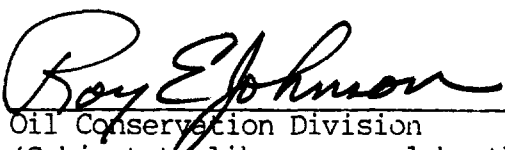
Mr. M. A. Romero

APPROVED:

Minerals Management Service
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED:


Oil Conservation Division
(Subject to like approval by the
Minerals Management Service and
the Commissioner of Public Lands)

DATED: 8-4-83

The foregoing approvals for the 1983 Drilling Program for the San Juan 27-4
Unit #14-08-001-1054, Rio Arriba County, New Mexico

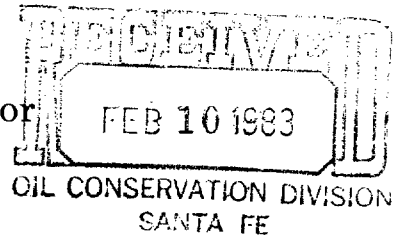


IN REPLY
REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102



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

554

Gentlemen:

Your application of November 22, 1982, requesting approval of the fourteenth revision of the Dakota participating area, San Juan 27-4 Unit Agreement, Rio Arriba County, New Mexico, was approved by the Deputy Minerals Manager, Oil and Gas, effective as of July 1, 1980. The fourteenth revision adds 960.0 acres, more or less, described as all of section 27 and E $\frac{1}{2}$ of section 28, T. 27 N., R. 4 W., N.M.P.M., and is based upon the completion of well No. 101 with A.O.F. of 370 MCF/D, well No. 132 with A.O.F. of 939 MCF/D and well No. 133 with A.O.F. of 425 MCF/D.

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

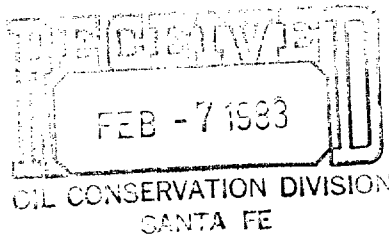
Sincerely yours,

Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosures

cc:
Comm. of Public Lands, Santa Fe
NMOCD, Santa Fe

El Paso NATURAL GAS
COMPANY



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

February 1, 1983

554

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELLS
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-4 Unit Agreement #14-08-001-1054, approved September 3, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that two (2) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-4 Unit #145 Well was completed on September 18, 1982. The Mesaverde Formation was tested on September 27, 1982, with an after frac gauge of 1841 MCF/D. The spacing unit for this well is described as the W/2 of Section 21, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-4 Unit #32 Well was completed on September 28, 1982. The Mesaverde Formation was tested on October 5, 1982, with an after frac gauge of 1445 MCF/D. The spacing unit for this well is described as the W/2 of Section 23, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

Regulatory Agencies
February 1, 1983
Page Two

Both of the drilling blocks for the above-described wells are included within the existing Mesaverde Formation Participating Area; therefore, the Mesaverde Participating Area is not enlarged by these wells.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

A handwritten signature in cursive script that reads "Mary L. Broadus".

Mary L. Broadus
Landman
Land Department

MLB:ljg
Attachment
San Juan 27-4 Unit, 4.2.1

cc: Mr. Antonio Martinez

SAN JUAN 27-4
MESAVERDE WORKING
INTEREST OWNERS

Mary Jone Chappell

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

PWG Partnership



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

December 1, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Case 554

EL PASO EXPLORATION CO.
P. O. Box 1492
El Paso, Texas 79978

ATTENTION: James R. Permenter

RE: San Juan 27-4 Unit
Fourteenth Expanded
Participating Area
Dakota Formation
Rio Arriba County, NM

Dear Sir:

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 U. S. Minerals Management Service.

Sincerely,

A handwritten signature in dark ink, appearing to read "Roy E. Johnson", with a long, sweeping horizontal line extending to the right.

Roy E. Johnson
Petroleum Geologist

REJ/dp

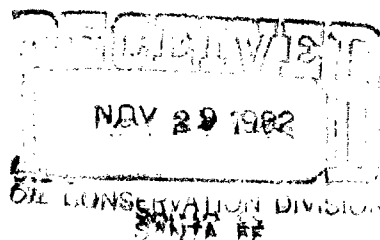
cc: Commissioner of Public Lands - Santa Fe
Minerals Management Service - Albuquerque
OCD District Office

November 22, 1982

Minerals Management Service
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 27-4 Unit #14-08-001-1054
Rio Arriba County, New Mexico
FOURTEENTH EXPANDED PARTICIPATING
AREA - Dakota Formation
Effective July 1, 1980

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-4 Unit Agreement, #14-08-001-1054, approved September 3, 1953, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Fourteenth Expanded Participating Area for the Dakota formation, San Juan 27-4 Unit, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following lands reasonably estimated to be productive in paying quantities:

Fourteenth Expanded Participating Area - Effective 7-1-80

<u>Description of Lands</u>	<u>Acres</u>
T-27-N, R-4-W	
Section 27: All	640.00
Section 28: E/2	320.00

The lands described above are proven to be productive by the following:

The San Juan 27-4 Unit #132 Well, located 1150' from the North line and 1725' from the East line of Section 27, Township 27 North, Range 4 West, N.M.P.M., was spudded on October 15, 1979, and completed on July 14, 1980, at a plugged back depth of 8541'. The Dakota Formation at the selected intervals between 8302' and 8530' was treated with a sand-water fracturing process on May 17, 1980. The well was shut-in on June 26, 1980, and after being shut-in for eighteen (18) days, the Dakota Formation was tested on July 14, 1980, using the Pitot tube method with an after frac gauge of 939 MCF/D, with an SIPC of 1155 psia and an SIPT of 1920 psia. The spacing unit for this well is described as the E/2 of Section 27, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-4 Unit #133 Well, located 2235' from the South line and 2225' from the West line of Section 27, Township 27 North, Range 4 West, N.M.P.M., was spudded on October 1, 1979, and completed on August 7, 1980, at a plugged back depth of 8418'. The Dakota Formation at the selected intervals between 8176' and 8384' was treated with a sand-water fracturing process on May 28, 1980. The well was shut-in on June 11, 1980, and after being shut-in for fifty (50) days, the Dakota Formation was tested on July 31, 1980, using the Pitot tube method with an after frac gauge of 425 MCF/D, with an SIPT of 925 psia. The spacing unit for this well is described as the W/2 of Section 27, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-4 Unit #101 Well, located 2010' from the North line and 1690' from the East line of Section 28, Township 27 North, Range 4 West, N.M.P.M., was spudded on September 1, 1979, and completed on July 31, 1980, at a total depth of 8396'. The Dakota Formation at selected intervals between 8168' and 8379' was treated with a sand-water fracturing process on April 23, 1980. The Dakota Formation was tested on July 24, 1980, using the Pitot tube method with an after frac gauge of 370 MCF/D, with an SIPT of 1638 psia. The spacing unit for this well is described as the E/2 of Section 28, Township 27 North, Range 4 West, N.M.P.M., containing 320.00 acres.

Attached is Schedule XV showing the Fourteenth Expanded Participating Area for the Dakota Formation of the San Juan 27-4 Unit Area. The Schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the varied ownership in said tract.

Regulatory Agencies
November 22, 1982
Page Three

Attached also in support of this Expansion are the following Exhibits which are made a part hereof:

Exhibit "B"

Geological Report on the Fourteenth Expansion of the Dakota Participating Area, San Juan 27-4 Unit.

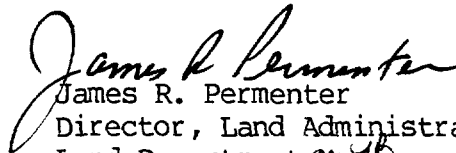
Exhibit "C"

Structural Contour and Isopach Map

If the Fourteenth Expanded Participating Area, Dakota Formation, meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our records.

A copy of this letter and of Schedule XV are being sent to the working interest owners shown on the attached sheet.

Very truly yours,


James R. Permenter
Director, Land Administration
Land Department *mt*

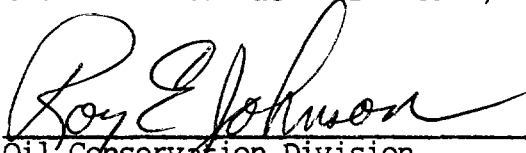
JRP:MLB:ljg
Attachments
San Juan 27-4 Unit, 4.2

APPROVED: _____
Minerals Management Service
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Minerals Management Service and
the Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Minerals Management Service and
the Commissioner of Public Lands)

DATED: 11-30-82

The foregoing approvals are for the Fourteenth Expansion of the Participating Area for the Dakota Formation, effective July 1, 1980, under the San Juan 27-4 Unit, #14-08-001-1054, San Juan County, New Mexico.

SAN JUAN 27-4
DAKOTA WORKING
INTEREST OWNERS

Mary Jone Chappell

F. Eugene Harrington

Gerald E. Harrington

James V. Harrington

Thomas H. Harrington

PWG Partnership

EXHIBIT "B"

SAN JUAN 27-4 UNIT

RIO ARriba COUNTY, NEW MEXICO

GEOLOGIC REPORT

DAKOTA PRODUCING INTERVAL

PROPOSED FOURTEENTH EXPANSION

OF THE DAKOTA PARTICIPATING AREA

EL PASO NATURAL GAS COMPANY

By: D. E. Adams (RD)
D. E. Adams, Director
Reservoir Engineering Dept.

EXHIBIT "B"

SAN JUAN 27-4 UNIT
RIO ARriba COUNTY, NEW MEXICO

GEOLOGIC REPORT
DAKOTA PRODUCING INTERVAL

PROPOSED FOURTEENTH EXPANSION
OF THE DAKOTA PARTICIPATING AREA

INTRODUCTION

The San Juan 27-4 Unit is located in the east-central portion of the San Juan Basin, Rio Arriba County, New Mexico. The original unit area consisted of all Township 27 North, Range 4 West, which contains 23,046.19 acres. All of Sections 12, 25, 35 and the southeast quarter of 34, totaling 2,080.00 acres, have been eliminated from the unit. The present area of the San Juan 27-4 Unit is now comprised of 20,966.19 acres.

Within Township 27 North, Range 4 West, the "Dakota Producing Interval" has been tested in 46 locations of which 41 wells are currently productive. Three of the producing wells are located on acreage which has been eliminated from the unit area and one half of the acreage dedicated to a fourth well is also eliminated.

The New Mexico Oil Conservation Commission in Order No. R-1670-C, Rule 25, defines the "Dakota Producing Interval" as ". . . from the base of the Greenhorn limestone to a point 400 feet below the base of the said formation and consisting of the Graneros formation, the Dakota formation, and the productive upper portion of the Morrison formation." The lithology and stratigraphy of this interval in San Juan 27-4 Unit area have been discussed in reports which have been previously submitted.

Included as a part of this report are two maps entitled Exhibit "C". Exhibit "C", Figure No. 1 shows the configuration of the subsurface structure of the Dakota interval using mean sea level as the datum plane, the top of the Graneros shale as the mapping horizon, and a contour interval of 50 feet. Present structural control indicates the Dakota interval is dipping gently to the northeast in the general area of the acreage proposed for admission to the participating area. The axial trace of the synclinal trough of the San Juan Basin is located along the eastern boundary of the unit. The trough is generally plunging to the north-northwest in the portion of the Basin. As is true for the whole of the San Juan Basin for the most part, stratigraphic rather than structural conditions control the occurrence of hydrocarbons within the San Juan 27-4 Unit. Exhibit "C", Figure 2 is an isopachous map with a contour interval of 10 feet which shows the number of feet of net reservoir sand in the "Dakota Producing Interval" that is interpreted to be present in the unit and adjacent areas.

PROPOSED FOURTEENTH EXPANSION
OF THE DAKOTA PARTICIPATING AREA

Effective Date: July 1, 1980

The proposed Fourteenth Expansion of the Dakota Participating Area is based upon the completion of San Juan 27-4 Unit well nos. 101, 132 and 133 by El Paso Natural Gas Company, the Unit Operator.

On July 24, 1980, the San Juan 27-4 Unit well no. 101 had an AOF of 370 Mcf/D. Shut-in tubing pressure was 1,638 psia. The San Juan 27-4 Unit well no. 101 is located 2,010 feet from the north line and 1,690 feet from the east line, Section 28, T-27-N, R-4-W, Rio Arriba County, New Mexico.

The San Juan 27-4 Unit well no. 132 is located 1,150 feet from the north line and 1,725 feet from the east line, Section 27, T-27-N, R-4-W, Rio Arriba County, New Mexico. On July 14, 1980, the San Juan 27-4 Unit well no. 132 had an AOF of 939 Mcf/D. Shut-in tubing pressure was 1,920 psia.

The San Juan 27-4 Unit well no. 133 is located 2,235 feet from the south line and 2,225 feet from the west line, Section 27, T-27-N, R-4-W, Rio Arriba County, New Mexico. On July 31, 1980, the San Juan 27-4 Unit well no. 133 had an AOF of 425 Mcf/D. Shut-in tubing pressure was 925 psia.

Proposed Expanded Area

Township 27 North, Range 4 West

Section 28:	East Half
Section 27	All

The San Juan 27-4 Unit well nos. 101, 132 and 133 produce from the sandstone development within the Graneros shale and from the Dakota "A" and "B" zones. These producing sands correlate with the producing sands of adjacent wells in both the 27-4 and 28-4 San Juan Units. The proposed expanded acreage is inferred to be capable of producing unitized substances in commercial quantities from the Graneros sandstone and from the Dakota "A" and "B" zones. Exhibit "C", Figure No. 2 illustrates the net reservoir sand which is interpreted to be present under the acreage proposed for admission to the Dakota Participating Area by the Fourteenth Expansion.