

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

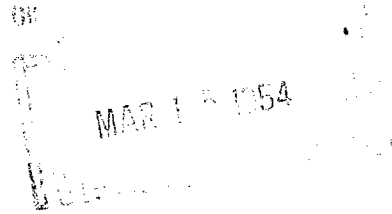
El Paso, Texas

March 9, 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico



Re: San Juan 28-7 Unit, No. 14-08-001-459
Rio Arriba County, New Mexico
NOTICE OF DISCOVERY, MESAVERDE FORMATION

Gentlemen:

This letter supersedes prior correspondence in connection with captioned matter.

Pursuant to Section 11, Paragraph 2, of the above numbered Unit Agreement, you are hereby informed of the discovery of unitized substances in paying quantities from the Mesaverde formation on lands committed to said Unit Agreement. As of January 29, 1953, the effective date of the Unit Agreement, there were two (2) committed wells already completed in the Mesaverde formation. These committed wells are:

1. San Juan 28-7 #1 Well, located 660' South of the North line and 660' West of the East line of Section 33, T-28-N, R-7-W, N.M.P.M. This well was spudded on September 29, 1950 and drilling was completed on December 2, 1950 at a total depth of 5210'. The pay section between 4922' and 5020' was shot with 370 quarts of nitroglycerine. The well was tested on December 28, 1950 and after a six hour blow-down gauged an IP of 487 MCFGPD with an SIPC of 1035# and an SIPT of 1035#. The drilling block upon which this well is located is the E/2 (Lots 1, 2, N/2 SE/4, NE/4) of Section 33, T-28-N, R-7-W, and consists of 316.32 acres.
2. San Juan 28-7 #2 Well, located 3643' South of the North line and 1650' East of the West line of Section 5, T-27-N, R-7-W, N.M.P.M. This well was spudded on May 25, 1951 and drilling was completed on June 24, 1951 at a total depth of 5700'. The pay section between 4938' and 5668' was shot with 1960 quarts of nitroglycerine.

The well was tested on November 7, 1951 and after a six hour blow-down gauged an IP of 686 MCFGPD with an SIPC of 1037# and an SIPT of 1037#. The drilling block upon which this well is located is the W/2 (Lots 3, 4, S/2 NW/4, SW/4) of Section 5, T-27-N, R-7-W, and consists of 320.52 acres.

These drilling blocks are fully committed to the Unit Agreement and, pursuant to the above mentioned Section 11 of the Unit Agreement, it is determined by El Paso Natural Gas Company, Unit Operator, that these wells are capable of producing unitized substances in paying quantities.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD/al
cc: Attached List

Re: 28-7 Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. J. Glenn Turner
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. R. E. Beamon
346 Esperson Building
Houston 2, Texas

Mr. Forrest Daniel
Pubco Development, Inc.
P. O. Box 1360
Albuquerque, New Mexico

Miss Margaret Clark
Three States Natural Gas Company
1110 Tower Petroleum Building
Dallas, Texas

Mr. Aaron L. Colvin
Delhi Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. W. H. Riddle
Dateland, Arizona

Mr. D. J. Simmons
Stockton Hotel
Ft. Stockton, Texas

Mr. Alfred E. McLane
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. B. G. Martin
San Jacinto Petroleum Corporation
1107 San Jacinto Building
Houston 2, Texas

Mr. W. C. McCord
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Mr. L. C. Oldham, Jr.
Johnston Oil and Gas Company
1453 Esperson Building
Houston, Texas

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

MAR 1 1954

February 15, 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 28-7 Unit No. 14-08-001-459
Rio Arriba County, New Mexico
First Expanded Participating Area
Pictured Cliffs Formation
Effective September 1, 1953

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-7 Unit Agreement, No. 14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company as Unit Operator determined on August 7, 1953, that one additional well capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation had been completed upon committed acreage to this unit, and the participating area for the Pictured Cliffs Formation is accordingly expanded.

This well is as follows:

El Paso Natural Gas Company's San Juan 28-7 #3 Well located 990' North of the South line and 990' East of the West line of Section 6, Township 27 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on August 3, 1951, and reached a total depth of 5701' on October 6, 1951, in the Mesaverde Formation. Upon test the well gauged an IP of 196 MCFGPD. This well was plugged back with the top of the plug being set at 3290'. A window was cut in the casing from 3112' to 3127', whipstock was set, and the well drilled to completion in the Pictured Cliffs Formation on August 1, 1953, at a total depth of 3275'. The pay section between 3222' and 3275' was shot with 212 quarts of nitroglycerine, and upon test on August 7, 1953, after a 3 hour blow-down

San Juan 28-7 Unit

- 2 -

February 25, 1954

gauged an IP of 428 MCFGPD with an SIPC of 981#. The committed drilling block upon which this well is located is described as Lots 3 and 4, S/2 NW/4, SW/4 of Section 6, Township 27 North, Range 7 West, NMPM, and consists of 320.20 acres.

Attached is Schedule II showing the First Expanded Participating Area for the Pictured Cliffs Formation for the San Juan 28-7 unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor and, in the absence of disapproval, this expanded participating area will become effective as of September 1, 1953.

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

Yours very truly,

EL PASO NATURAL GAS COMPANY

B. 
Charles S. Deason
Lease Department

CSD/ms
cc: Attached List

Re: 28-7 Unit

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Miss Margaret Clark
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Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Mr. L. C. Oldham, Jr.
Johnston Oil and Gas Company
1453 Esperson Building
Houston, Texas

SCHEDULE II
FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIPPER FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	MAXIMUM POSSIBLE PARTICIPATION	PRESENT ACTUAL PARTICIPATION
SF 078640	T-27-N, R-7-W Sec. 20: E/2	320.00	<u>Tract 15</u>			
					<u>49.98438%</u>	<u>49.98438%</u>
				Royalty Owner:		
				United States of		
				America; 12.50%	12.50%	6.24805%
				Working Interest		6.24805%
			Owner:			
			El Paso Natural			
			Gas Company;	82.50%	41.23711%	41.23711%
			ORRI Owners:			
			Brookhaven Oil			
			Company, et al;	<u>5.00%</u>	<u>5.00%</u>	<u>2.49922%</u>
			TOTAL	100.00%	100.00%	49.98438%
San Juan 28-7 # 5 Well	Sec. 20: E/2	<u>320.00</u>			<u>100.00%</u>	<u>49.98438%</u>
						<u>49.98438%</u>

SCHEDULE II
FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DRIILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRIILLING BLOCK OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>MAXIMUM POSSIBLE PARTICIPATION</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078835	T-27-N, R-7-W Sec. 6: Lots 3, 4, S/2 NW/4, SW/4	320.20	<u>Tract 16</u> Royalty Owner: United States of America; 12.50% Working Interest Owner: El Paso Natural Gas Company; 84.00% O&RI Owners: Ben R. Howell, et al; 3.50% TOTAL 100.00%	12.50% 84.00% 3.50% 100.00%	<u>50.01562%</u> 6.25195% 42.01312% <u>1.75055%</u> 50.01562%	<u>50.01562%</u> 6.25195% 42.01312% <u>1.75055%</u> 50.01562%
San Juan 28-7 # 3 Well	Sec. 6: W/2	320.20		100.00%	<u>50.01562%</u>	<u>50.01562%</u>

Effective September 1, 1953

SCHEDULE II
FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

RECAPITULATION

Description of Lands in Participating Area:	
Township 27 North, Range 7 West, N.M.P.M.	
Section 6 : W/2	
Section 20: E/2	
Total number of acres in Participating Area:	640.20
Percent of Basic Royalty committed:	100.00%
Percent of Working Interest committed:	100.00%
Percent of O.R.R.I. committed:	100.00%

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

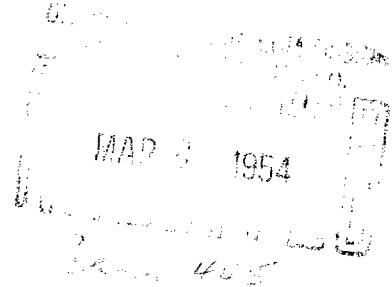
El Paso, Texas

February 26, 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico



Re: San Juan 28-7 Unit No. 14-08-001-459
Rio Arriba County, New Mexico
Second Expanded Participating Area
Pictured Cliffs Formation
Effective October 1, 1953

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-7 Unit Agreement, No. 14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company as Unit Operator determined on September 12, 1953, that one additional well capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation had been completed upon committed acreage to this unit and the participating area for the Pictured Cliffs Formation is accordingly expanded.

This well is as follows:

El Paso Natural Gas Company's San Juan 28-7 #4 Well located 990' South of the North line and 1650' West of the East line of Section 7, Township 27 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on August 27, 1951, and reached a total depth of 5710' on October 23, 1951, in the Mesaverde Formation. Upon test the well gauged an IP of 60 MCFGPD. This well was plugged back with the top of the plug being set at 3350'. A window was cut in the casing from 3249' to 3264', whipstock was set, and the well drilled to completion in the Pictured Cliffs Formation on August 12, 1953, at a total depth of 3364'. The pay section between 3327' and 3364' was shot with 148 quarts of nitroglycerine, and upon test on September 12, 1953, after a 3 hour blow

San Juan 28-7 Unit

- 2 -

February 25, 1954

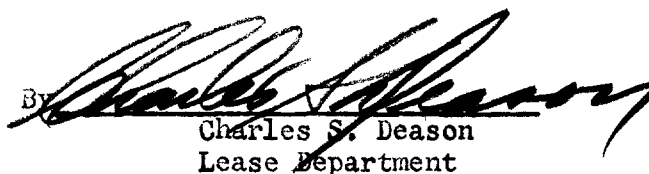
down gauged an IP of 1310 MCFGPD with an SIPC of 1008#.
The committed drilling block upon which this well is
located is described as the E/2 of Section 7, Township
27 North, Range 7 West, NMPM, and consists of 320 acres.

Attached is Schedule III showing the Second Expanded Participating Area for the Pictured Cliffs Formation for the San Juan 28-7 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor and, in the absence of disapproval, this expanded participating area will become effective as of October 1, 1953.

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

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD/lms

cc: Attached List

Re: 28-7 Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. J. Glenn Turner
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. R. E. Beamon
346 Esperson Building
Houston 2, Texas

Mr. Forrest Daniel
Pubco Development, Inc.
P. O. Box 1360
Albuquerque, New Mexico

Miss Margaret Clark
Three States Natural Gas Company
1110 Tower Petroleum Building
Dallas, Texas

Mr. Aaron L. Colvin
Delhi Oil Corporation
823 Corrigan Tower
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Mr. W. H. Riddle
Dateland, Arizona

Mr. D. J. Simmons
Stockton Hotel
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Dallas 1, Texas

Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Mr. L. C. Oldham, Jr.
Johnston Oil and Gas Company
1453 Esperson Building
Houston, Texas

Page 2
Director, U.S.G.S.
E. S. Walker, Commissioner
R. R. Spurrier, Secretary

September 30, 1953
Re: San Juan 28-7 Unit
Notice Discovery
Mesaverde Formation

2. San Juan 28-7 #2 located 3643' from the south line and 1650' from the west line of Section 5, T-27-N, R-7-W. This well was completed November 7, 1951, at a total depth of 5700'. The pay section between 4938' and 5668' was shot with 1960 quarts of nitroglycerin. The well was gauged at 686,000 cu. ft. of gas per day on a 6-hour open blow test. Shut in pressure was 1037#. The drilling block upon which this well is located is the W/2 of Section 5, T-27-N, R-7-W, and consists of 320.52 acres. This well is presently shut in waiting for a pipeline connection. There has been no production.
3. San Juan 28-7 #6 well is located 790' north of the south line and 1850' east of the west line of Section 16, Township 28 North, Range 7 West. This well was completed June 4, 1953, at a total depth of 5149'. The pay section between 4379' and 5149' was shot with 1940 qts. of nitroglycerin. The well was gauged at 2130 MCFGPD on a 3-hour open blow test. Shut in pressure on the casing was 1019#. The drilling block upon which this well is located is the W/2 of Section 16, T-28-N, R-7-W, and consists of 320 acres. This well was tied in to our gathering system on August 11, 1953.
4. San Juan 28-7 #7 well is located 990' south of the north line and 990' west of the east line of Section 35, T-28-N, R-7-W. This well was completed June 16, 1953, at a total depth of 5130'. The pay section between 4418' and 5130' was shot with 1671 qts. of nitroglycerin. The well was gauged at 2420 MCFGPD on a 3-hour open blow test. Shut in pressure on the casing was 1049#. The drilling block upon which this well is located is the E/2 of Section 35, T-28-N, R-7-W, and consists of 320 acres. This well was tied into our gathering system on August 11, 1953.
5. San Juan 28-7 #8 well located 1050' south of the north line and 1850' west of the east line of Section 18, T-28-N, R-7-W, N.M.P.M. This well was completed on July 25, 1953, at a total depth of 5791'. The pay section between 5116' and 5836' was shot with 1770 qts. of nitroglycerin. The well was gauged at 3,310 MCFGPD on a 3-hour open blow test. Shut in pressure on the casing was 1008#. The drilling block upon which this well is located is the E/2 of Section 8, T-28-N, R-7-W, consisting of 320 acres. This well is waiting on a pipeline connection.

Page 3
Director, U.S.G.S.
E. S. Walker, Commissioner
R. R. Spurrier, Secretary

September 30, 1953
Re: San Juan 28-7 Unit
Notice Discovery
Mesaverde Formation

6. San Juan 28-7 #9 well located 890' north of the south line and 1090' east of the west line of Section 14, T-28-N, R-7-W, N.M.P.M. The well was completed on June 29, 1953, at a total depth of 5629'. The pay section between 4877' and 5629' was shot with 1763 quarts of nitroglycerin. The well only gauged 22 MCF before shot, but after shot gauged 768 MCF GPD on a three hour test with a shut in pressure on the casing of 823#. The drilling block upon which this well is located is the W/2 of Section 14, T-28-N, R-7-W, consisting of 320 acres. This well is waiting on a pipeline connection.

The above mentioned drilling blocks are all fully committed to the Unit Agreement, and pursuant to the above mentioned Section 11 of the Unit Agreement, it is determined by El Paso Natural Gas Company, Unit Operator, that all of the above wells are capable of producing unitized substances in paying quantities.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By R L Hamblin
R. L. Hamblin
Lease Department

RLH:ms

cc: All Working Interest Owners
as per attached list.

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. Frank D. Gorham, Jr.
Pubco Development, Inc.
P. O. Box 1360
Albuquerque, New Mexico

Mr. Aaron L. Colvin
Delhi Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. D. J. Simmons
3112 Odessa Street
Fort Worth, Texas

Mr. B. G. Martin
San Jacinto Petroleum Corporation
1107 San Jacinto Building
Houston 2, Texas

Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Mr. J. Glenn Turner
Turner, White, Atwood, McLane & Francis
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. R. E. Beamon
346 Esperson Building
Houston 2, Texas

Miss Margaret Clark
Three States Natural Gas Company
1110 Tower Petroleum Building
Dallas, Texas

Mr. W. H. Riddle
Dateland, Arizona

408

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

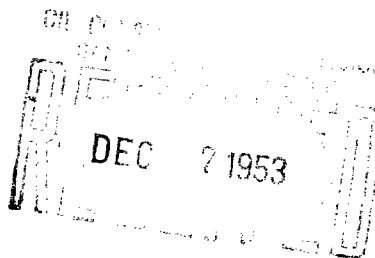
El Paso, Texas

November 14, 1953

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico



Re: San Juan 28-7 Unit, No. 14-08-001-459,
Rio Arriba County, New Mexico.
Request for Approval of Initial Participating
Area - Mesaverde Formation. To be effective
August 12, 1953, the date of First Production
of Unitized Substances from the Mesaverde
Formation.

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-7 Unit Agreement, No. 14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company as Unit Operator, hereby respectfully requests approval of the Initial Participating Area for the Mesaverde Formation. On September 30, 1953, we sent out our Notice of Discovery of unitized substances. We have not received any protests to such Notice of Discovery.

The Initial Participating Area contains 1923.54 acres and is composed of six (6) drilling blocks and six (6) wells located thereon, as follows:

<u>Well</u>	<u>Drilling Block</u>	<u>Acres</u>
San Juan 28-7 #1	E/2 Section 33, T-28-N R-7-W	316.32
San Juan 28-7 #2	W/2 Section 5, T-27-N, R-7-W	320.52
San Juan 28-7 #6	W/2 Section 16, T-28-N R-7-W	320.00
San Juan 28-7 #7	E/2 Section 35, T-28-N R-7-W	326.70
San Juan 28-7 #8	E/2 Section 18, T-28-N R-7-W	320.00
San Juan 28-7 #9	W/2 Section 14, T-28-N R-7-W	320.00
		1,923.54

Page 2

Director, U. S. G. S.
Commissioner of Public Lands
Oil Conservation Commission
November 14, 1953

The San Juan 28-7 #1 well was completed on December 28, 1950, with an initial potential of 487,000 cu. ft. of gas per day and a shut in pressure of 1035#. This well was not produced until August 12, 1953.

The San Juan 28-7 #2 well was completed November 7, 1951, with an initial potential of 686,000 cu. ft. of gas per day and a shut in pressure of 1037#. This well has not yet been produced.

The San Juan 28-7 #6 well was completed June 4, 1953, with an initial potential of 2,310,000 cu. ft. of gas per day and a shut in pressure of 1019#. This well was first produced on August 12, 1953.

The San Juan 2807 #7 well was completed June 16, 1953, with an initial potential of 2,420,000 cu. ft. of gas per day and a shut in pressure of 1049#. This well was first produced on August 12, 1953.

The San Juan 28-7 #8 was completed on July 25, 1953, with an initial potential of 3,310,000 cu.ft. of gas per day and a shut in pressure of 1008#. This well is awaiting a pipeline connection.

The San Juan 28-7 #9 well was completed on June 29, 1953, with an initial potential of 768,000 cu. ft. of gas per day and a shut in pressure of 823#. This well is awaiting a pipeline connection.

Attached hereto is our Schedule I legally describing the proposed Participating Area, showing the percentage of unitized substances to be allocated to each unitized tract, and also showing the exact breakdown of the percentages so allocated to each tract according to the various ownerships in each tract. We are also attaching a map, Exhibit "A", showing the location of each well and the outlines of the Initial Participating Area.

If this Initial Participating Area meets with your approval, please indicate such approval in the space provided on Schedule I and return an approved copy for our files.

Copies of this letter are being sent to all Working Interest Owners, as indicated on the attached sheet.

Yours very truly,
EL PASO NATURAL GAS COMPANY

By: R. L. Hamblin
R. L. Hamblin
Lease Department

RLH:ms
Encl.

Re: 28-7 Unit

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Mr. Donald B. Anderson
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Mr. L. C. Oldham, Jr.
Johnston Oil and Gas Company
1453 Esperson Building
Houston, Texas

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-7 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 3</u>					
SF 078417	T-28-N, R-7-W Sec. 16: SW/4	160.00	Royalty Owner: United States of America; Working Interest Owner: El Paso Natural Gas Co.; ORRI Owners: Ernest Hanson, et al TOTAL	12.50% 84.50% 3.00% 100.00%	8.31800% 1.03975% 7.02871% 24954% 8.31800%
<u>Tract 7</u>					
SF 078497	T-28-N, R-7-W Sec. 16: NW/4	160.00	Royalty Owner: United States of America; Working Interest Owner: El Paso Natural Gas Co.; ORRI Owners: Ernest Hanson, et al; TOTAL	12.50% 84.50% 3.00% 100.00%	8.31800% 1.03975% 7.02871% 24954% 8.31800%

San Juan 28-7 #6 Well

Effective August 12, 1953

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-7 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 3</u>					
SF 078417	T-28-N, R-7-W Sec. 18: E/2	320.00	Royalty Owner: United States of America; Working Interest Owner: El Paso Natural Gas Co.; ORRI Owners: Ernest Hanson, et al TOTAL	12.50% 84.50% <u>3.00%</u> 100.00%	<u>16.63599%</u> 2.07950% 14.05741% <u>.49908%</u> 16.63599%

San Juan 28-7 #8 Well

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-7 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 5</u>					
SF 078496	T-28-N, R-7-W Sec. 35: Lots 1, 2, N/2 SE/4, NE/4 (E/2)	326.70	Royalty Owner: United States of America; 12.50% Working Interest Owner; El Paso Natural Gas Co.; 84.50% ORRI Owners: Ernest Hanson, et al 3.00% TOTAL 100.00%	12.50% 84.50% 3.00% 100.00%	16.98431% 2.12304% 14.35174% 50953% 16.98431%

San Juan 28-7 #7 Well

PAGE 3

Effective August 12, 1953

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-7 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 9</u>					
SF 078498	T-28-N, R-7-W Sec. 33: Lots 1, 2, N/2 SE/4, NE/4 (E/2)	316.32	Royalty Owner: United States of America; Working Interest Owner: El Paso Natural Gas Co.; ORRI Owners: Ernest Hanson, et al	12.50% 84.50% 3.00% <u>100.00%</u>	<u>16.44468%</u> 2.05559% 13.89575% <u>.49334%</u> <u>16.44468%</u>
TOTAL					

San Juan 28-7 # 1 Well

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-7 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
SF 079001	T-27-N, R-7-W Sec. 5: Lots 3,4, S/2 NW/4, SW/4 (W/2)	320.52	Royalty Owner: United States of America; Working Interest Owner: El Paso Natural Gas Co.; ORRI Owners: John A. Grambling, et al TOTAL	12.50% 86.50% 1.00% 100.00%	16.66303% 2.08288% 14.41352% 16.66303%

Tract 12

San Juan 28-7 #2 Well

PAGE 5

Effective August 12, 1953

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-7 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 22</u>					
SF 079289-A	T-28-N, R-7-W Sec. 14: W/2	320.00	Royalty Owner: United States of America;	12.50%	<u>16.63599%</u>
			Working Interest Owner: D. J. Simmons;	87.50%	2.07950%
			ORRI Owner: None	<u>.00%</u>	14.55649%
			TOTAL	<u>100.00%</u>	<u>16.63599%</u>

San Juan 28-7 #9 Well

RECAPITULATION

Description of lands in Participating Area:
 Township 27 North, Range 7 West, N.M.P.M.

Section 5: W/2

Township 28 North, Range 7 West, N.M.P.M.

Sections 14, 16: W/2

Sections 18, 33, 35: E/2

Total number of acres in Participating Area: 1,923.54

Percent of Working Interest and Royalty Interest
 committed: 100.00%

Approved _____ 1953

Subject to like approval by the appropriate State Officials, effective August 12, 1953, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Director - United States Geological Survey

Approved _____ 1953

Subject to like approval by the United States Geological Survey and Oil Conservation Commission of the State of New Mexico, effective August 12, 1953, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Commissioner of Public Lands of the State of New Mexico

Approved 12/7 1953

Subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico effective August 12, 1953, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

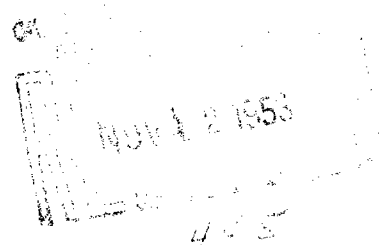
original
by R. L. Spruice
Oil Conservation Commission of the State of New Mexico

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

November 6, 1953



Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

*file
case 445*

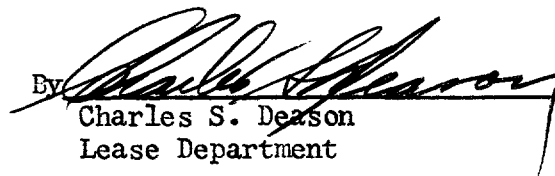
Re: San Juan 28-7
Unit Agreement #14-08-001-459
Approval of Initial Participating Area
for the Pictured Cliffs Formation

Gentlemen:

This is to advise that the Initial Participating Area for the Pictured Cliffs Formation under the above numbered Unit Agreement was approved by the Director United States Geological Survey on May 15, 1953, by the Commissioner of Public Lands of the State of New Mexico on October 23, 1953, and by the Oil Conservation Commission of the State of New Mexico on April 28, 1953.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD:rf
cc: Attached List

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. Frank D. Gorham, Jr.
Pubco Development, Inc.
P. O. Box 1360
Albuquerque, New Mexico

Mr. Aaron L. Colvin
Delhi Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. D. J. Simmons
3112 Odessa Street
Fort Worth, Texas

Mr. B. G. Martin
San Jacinto Petroleum Corporation
1107 San Jacinto Building
Houston 2, Texas

Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Mr. J. Glenn Turner
Turner, White, Atwood, McLane & Francis
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. R. E. Beamon
346 Esperson Building
Houston 2, Texas

Miss Margaret Clark
Three States Natural Gas Company
1110 Tower Petroleum Building
Dallas, Texas

Mr. W. H. Riddle
Dateland, Arizona

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

September 30, 1953

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Mr. E. S. Walker
Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Mr. R. R. Spurrier, Secretary
Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 28-7 Unit
No. 14-08-001-459
Rio Arriba County, New Mexico

Please refer to our letter of May 20, 1953, wherein we advised you that there were four completed Mesaverde wells upon this Unit which we had not yet determined to be discovery wells:

<u>Well</u>	<u>Section</u>	<u>Twsp.</u>	<u>Range</u>	<u>Potential</u>
San Juan 28-7 #1	E/2 33	28N	7W	487 MCF
San Juan 28-7 #2	W/2 5	27N	7W	686 MCF
San Juan 28-7 #3	W/2 6	27N	7W	196 MCF
San Juan 28-7 #4	E/2 7	27N	7W	60 MCF

We have now completed our reworking and testing program and wish to advise you that El Paso Natural Gas Company has decided to determine that the San Juan 28-7 #1 and San Juan 28-7 #2 wells constitute commercial Mesaverde wells and that the San Juan 28-7 #3 and San Juan 28-7 #4 wells now constitute commercial Pictured Cliffs wells. A Notice of Discovery will be filed giving notice of this determination.

Page 2

Director, U.S.G.S.
E. S. Walker, Commissioner
R. R. Spurrier, Secretary

September 30, 1953
San Juan 28-7 Unit
No. 14-08-001-459

As the San Juan 28-7 #3 and San Juan 28-7 #4 wells were the weaker wells, they were worked over in an attempt to increase the potential in the Mesaverde formation. A whipstock was set up the hole on each of these wells and another diagonal hole was drilled at a diagonal from the main vertical hole. This diagonal hole was also shot with nitroglycerin. The wells were cleaned out and tested. There was no appreciable increase in either potential or pressure in either well. These two wells were then plugged back to the Pictured Cliffs formation and completed in such formation. The San Juan 28-7 #3 was finally completed with an initial potential in the Pictured Cliffs formation of 428 MCF which is more than double the former Mesaverde potential of 196 MCF. The San Juan 28-7 #4 was finally completed with an initial potential in the Pictured Cliffs formation of 1,310 MCF as compared with the initial potential of 60 MCF in the Mesaverde formation. All testing and reworking costs were borne solely by El Paso Natural Gas Company and not charged to the Unit working interest owners.

We have decided that no appreciable improvement could be expected in plugging back the San Juan 28-7 #1 and 28-7 #2 wells, as we could expect about the same potential in the Pictured Cliffs formation as we already have in the Mesaverde, and therefore the additional reworking costs could not be justified. They are also comparable with the San Juan 28-7 #9 well completed to the north in the SW/4 of Section 14, T-28-N, R-7-W, which will definitely be in the Mesaverde participating area.

Therefore we have determined that the #1 and #2 wells should be in the Mesaverde participating area and the #3 and #4 wells should be in the Pictured Cliffs participating area. Notices are being sent out to advise you of such determination and also to advise that we now consider these four wells commercial wells.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
R. L. Hamblin
Lease Department

RLH:ms

cc: All Working Interest Owners
as per attached list.

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. Frank D. Gorham, Jr.
Pubco Development, Inc.
P. O. Box 1360
Albuquerque, New Mexico

Mr. Aaron L. Colvin
Delhi Oil Corporation
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Mr. D. J. Simmons
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Mr. B. G. Martin
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Three States Natural Gas Company
1110 Tower Petroleum Building
Dallas, Texas

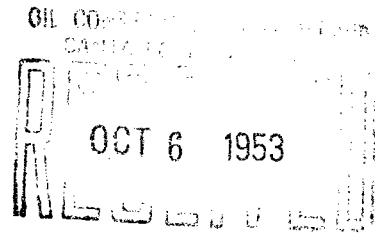
Mr. W. H. Riddle
Dateland, Arizona

El Paso Natural Gas Company

445

TENTH FLOOR BASSETT TOWER

El Paso, Texas
September 30, 1953



Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Mr. E. S. Walker
Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Mr. R. R. Spurrier, Secretary
Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 28-7 Unit
No. 14-08-001-459
Rio Arriba County, New Mexico
NOTICE OF DISCOVERY
MESAVERDE FORMATION

Pursuant to Section 11, paragraph 2, of the above numbered Unit Agreement, you are hereby informed of the discovery of unitized substances in paying quantities from the Mesaverde formation on lands committed to said Unit Agreement. This Unit Agreement was approved on January 29, 1953.

There are now six (6) committed wells completed in the Mesaverde formation. Two (2) of these were already completed when the Unit was approved, but we have just determined that they are capable of producing unitized substances in paying quantities. Four (4) Mesaverde wells which were required to be drilled under the terms of the Unit Agreement have been completed as commercial wells. These six wells are listed below as follows:

1. San Juan 28-7 #1 Well, located 660' from the north line and 660' from the east line of Section 33, T-28-N, R-7-W. This well was completed as the Nicholson #1 on December 28, 1950, at a total depth of 5050'. The pay section between 4922' and 5020' was shot with 370 quarts of nitroglycerin. The well was gauged at 487,000 cu.ft. of gas per day with a shut in pressure of 1035#. The drilling block upon which this well is located is the E/2 of Section 33, T-28-N, R-7-W, consisting of 320 acres. This well was tied in and date of first production was August 12, 1953.

Page 2
Director, U.S.G.S.
E. S. Walker, Commissioner
R. R. Spurrier, Secretary

September 30, 1953
Re: San Juan 28-7 Unit
Notice Discovery
Mesaverde Formation

2. San Juan 28-7 #2 located 3643' from the south line and 1650' from the west line of Section 5, T-27-N, R-7-W. This well was completed November 7, 1951, at a total depth of 5700'. The pay section between 4938' and 5668' was shot with 1960 quarts of nitroglycerin. The well was gauged at 686,000 cu. ft. of gas per day on a 6-hour open blow test. Shut in pressure was 1037#. The drilling block upon which this well is located is the W/2 of Section 5, T-27-N, R-7-W, and consists of 320.52 acres. This well is presently shut in waiting for a pipeline connection. There has been no production.
3. San Juan 28-7 #6 well is located 790' north of the south line and 1850' east of the west line of Section 16, Township 28 North, Range 7 West. This well was completed June 4, 1953, at a total depth of 5149'. The pay section between 4379' and 5149' was shot with 1940 qts. of nitroglycerin. The well was gauged at 2130 MCFGPD on a 3-hour open blow test. Shut in pressure on the casing was 1019#. The drilling block upon which this well is located is the W/2 of Section 16, T-28-N, R-7-W, and consists of 320 acres. This well was tied in to our gathering system on August 11, 1953.
4. San Juan 28-7 #7 well is located 990' south of the north line and 990' west of the east line of Section 35, T-28-N, R-7-W. This well was completed June 16, 1953, at a total depth of 5130'. The pay section between 4418' and 5130' was shot with 1671 qts. of nitroglycerin. The well was gauged at 2420 MCFGPD on a 3-hour open blow test. Shut in pressure on the casing was 1049#. The drilling block upon which this well is located is the E/2 of Section 35, T-28-N, R-7-W, and consists of 320 acres. This well was tied into our gathering system on August 11, 1953.
5. San Juan 28-7 #8 well located 1050' south of the north line and 1850' west of the east line of Section 18, T-28-N, R-7-W, N.M.P.M. This well was completed on July 25, 1953, at a total depth of 5791'. The pay section between 5116' and 5836' was shot with 1770 qts. of nitroglycerin. The well was gauged at 3,310 MCFGPD on a 3-hour open blow test. Shut in pressure on the casing was 1008#. The drilling block upon which this well is located is the E/2 of Section 8, T-28-N, R-7-W, consisting of 320 acres. This well is waiting on a pipeline connection.

Page 3
Director, U.S.G.S.
E. S. Walker, Commissioner
R. R. Spurrier, Secretary

September 30, 1953
Re: San Juan 28-7 Unit
Notice Discovery
Mesaverde Formation

6. San Juan 28-7 #9 well located 890' north of the south line and 1090' east of the west line of Section 14, T-28-N, R-7-W, N.M.P.M. The well was completed on June 29, 1953, at a total depth of 5629'. The pay section between 4877' and 5629' was shot with 1763 quarts of nitroglycerin. The well only gauged 22 MCF before shot, but after shot gauged 768 MCF GPD on a three hour test with a shut in pressure on the casing of 823#. The drilling block upon which this well is located is the W/2 of Section 14, T-28-N, R-7-W, consisting of 320 acres. This well is waiting on a pipeline connection.

The above mentioned drilling blocks are all fully committed to the Unit Agreement, and pursuant to the above mentioned Section 11 of the Unit Agreement, it is determined by El Paso Natural Gas Company, Unit Operator, that all of the above wells are capable of producing unitized substances in paying quantities.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By R. L. Hamblin
R. L. Hamblin
Lease Department

RLH:ms

cc: All Working Interest Owners
as per attached list.

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. Frank D. Gorham, Jr.
Pubco Development, Inc.
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Dateland, Arizona

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

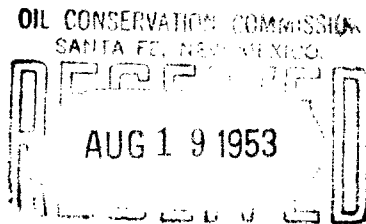
El Paso, Texas

August 13, 1953

Mr. John A. Anderson, Regional Supervisor
United States Geological Survey
Department of the Interior
Post Office Building
Roswell, New Mexico

Mr. E. S. Walker
Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Mr. R. R. Spurrier, Secretary
Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico



Re: San Juan 28-7 Unit
No. 14-08-001-459
Rio Arriba County, N.M.
DRILLING PROGRAM FOR REMAINDER OF
CALENDAR YEAR 1953

Gentlemen:

Under Section 9 of this Unit Agreement, we were required to drill four Mesaverde wells to test the Mesaverde formation, which were obligation wells. El Paso Natural Gas Company has just completed its San Juan 28-7 #9 well, which was the fourth and final obligation well, there being five wells already drilled upon land located in this Unit Agreement.

Although under the terms of Section 10 of the Unit Agreement we have six months after completion of the last remaining obligation well in which to submit a further drilling program, El Paso Natural Gas Company as Unit Operator has given Pubco Oil and Gas Company, a working interest owner in this Unit, permission to drill two additional Mesaverde wells in the very near future.

2/2-5/53

Page 2

Mr. John A. Anderson

Mr. E. S. Walker

Mr. R. R. Spurrier

August 13, 1953

Therefore, El Paso Natural Gas Company as Unit Operator hereby respectfully requests that you approve the following drilling program which will constitute our drilling obligations under this Unit for the remaining part of the calendar year 1953:

- (1) Proposed San Juan 28-7 #10 --- SW/4 Sec. 36-28N-7W
- (2) Proposed San Juan 28-7 #11 --- NE/4 Sec. 36-28N-7W

It is proposed that these wells be drilled to test the Mesaverde formation. These wells will be drilled subject to applicable operating regulations and due care will be taken to protect all horizons.

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

Yours very truly,

EL PASO NATURAL GAS COMPANY

By: R L Hamelin

RLH:ms

APPROVED: _____ Date: _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate State officials.

APPROVED: _____ Date: _____
Commissioner of Public Lands
Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: _____ Date: _____
Oil Conservation Commission
Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

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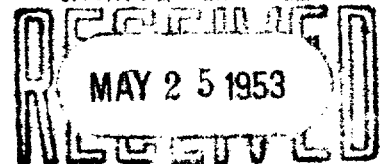
Mr. W. H. Riddle
Dateland, Arizona



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 997
Roswell, New Mexico

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO.



May 22, 1953

El Paso Natural Gas Company
Tenth Floor, Bassett Tower
El Paso, Texas

Re: 14-08-001-459
San Juan 28-7 Unit
Rio Arriba County, New Mexico

Gentlemen:

Your letter of May 21, 1953, addressed to the Director, United States Geological Survey, the Commissioner of Public Lands, State of New Mexico, and the Oil Conservation Commission, State of New Mexico, requests a change of test well depth or location for your well No. 9 San Juan 28-7 Unit.

Your proposal (1) to drill this obligatory Mesaverde well in the SW $\frac{1}{4}$ section 29 to the Pictured Cliffs formation only in lieu of a Mesaverde test would require the consent of all parties who executed the unit agreement inasmuch as it would constitute an amendment of such agreement.

Your alternate proposal (2) to change the location of well No. 9 to the NE $\frac{1}{4}$ section 18, T. 28 N., R. 7 W., and drill a Mesaverde well at such location is satisfactory to this office; and, in our opinion, does not require the approval of the Director, the Commission, and the Commissioner.

Very truly yours,

(Orig. Sgd) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

copy to: Commissioner of Public Lands
State of N.M., Santa Fe, N.M.
✓ Oil Conservation Commission
Santa Fe, N. M.

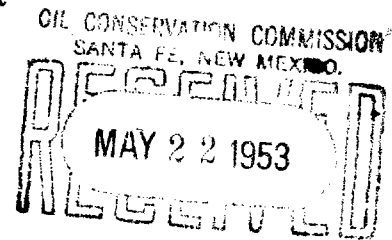
175

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

May 21, 1953



Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Re: 14-08-001-459
San Juan 28-7 Unit
Rio Arriba County, New Mexico
Request for Change of
Test Well Depth or Location

Gentlemen:

Since approval of the above Unit Agreement, El Paso Natural Gas Company has drilled to the top of the Mesaverde section the San Juan 28-7 #6 located in the SW/4 of Section 16, T-28-N, R-7-W. The rig was then moved to the San Juan 28-7 #7 located in the NE/4 of Section 35, T-28-N, R-7-W, which well was also drilled to the top of the Mesaverde section. This rig is presently being moved to the SW/4 of Section 14, T-28-N, R- 7-W where the #8 well will be drilled. The numbers 6 and 7 wells have not been completed due to the lack of drilling in gas. Lines are now being laid to supply drilling in gas for these wells. The rig now in operation on this Unit has been and will be kept drilling on this Unit until our four Mesaverde test wells have been completed.

The fourth Mesaverde test well was supposed to be drilled in the SW/4 of Section 29, T-27-N, R-7-W. It now appears to El Paso Natural Gas Company as Operator of this Unit that nothing can be gained or proven in the drilling of a Mesaverde test in the SW/4 of Section 29, T-27-N, R-7-W. As pointed out to you in our letter of May 20th, we have three Mesaverde wells (San Juan 28-7 #2, SW/4 Section 5-27N-7W; San Juan 28-7 #3, SW/4 Section 6-27N-7W; San Juan 28-7 #4, NE/4 Section 7-27N-7W) in the near vicinity to this location, which wells we are trying to rework to make commercial wells. Our geologists believe that this location has less possibilities of Mesaverde production than do these three Mesaverde wells to the northwest. It is their opinion, however, that this location (SW/4 Section 29-27N-7W) does have good Pictured Cliffs possibilities. We believe that this is more than verified by the completion of the

Page 2
Director, U.S.G.S.
Commissioner of Public Lands
Oil Conservation Commission
May 21, 1953

San Juan 28-7 #5 in the SE/4 of Section 20, T-27-N, R-7-W in the Pictured Cliffs formation with an initial potential of 700 MCF. Also, to the south outside of the Unit in Section 31, there are four completed Pictured Cliffs wells and directly to the south of this proposed site is a completed Pictured Cliffs well. This well is the J. I. Harvey Ross State #1 well with an initial potential of 517 MCF. This well is not committed to the San Juan 28-7 Unit.

On the basis of the facts, El Paso Natural Gas Company earnestly requests that you give us permission to either:

- (1) Drill the proposed test well on the SW/4 of Section 29, T-27-N, R-7-W to the Pictured Cliffs formation only, instead of to the Mesaverde formation as now required, or
- (2) Be allowed to change the location to the NE/4 of Section 18, T-28-N, R-7-W, where the Mesaverde section has fair possibilities.

We believe that the southern portion of this Unit will undoubtedly develop into a Pictured Cliffs participating area, while the northern part of the Unit will be a Mesaverde participating area.

We would appreciate your advising us on this matter before the time we are required to commence this well.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By R. L. Hamblin
R. L. Hamblin
Lease Department

RLH:ms
Airmail

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. Frank D. Gorham, Jr.
Pubco Development, Inc.
P. O. Box 1360
Albuquerque, New Mexico

Mr. Aaron L. Colvin
Delhi Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. D. J. Simmons
3112 Odessa Street
Fort Worth, Texas

Mr. B. G. Martin
San Jacinto Petroleum Corporation
1107 San Jacinto Building
Houston 2, Texas

Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Mr. J. Glenn Turner
Turner, White, Atwood, McLane & Francis
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. R. E. Beamon
346 Esperson Building
Houston 2, Texas

Miss Margaret Clark
Three States Natural Gas Company
1110 Tower Petroleum Building
Dallas, Texas

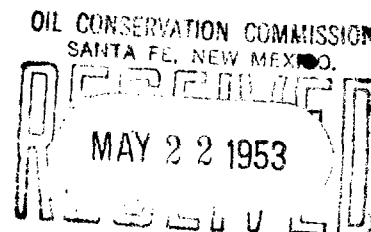
Mr. W. H. Riddle
Dateland, Arizona

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

May 20, 1953



Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Re: 14-08-001-459
San Juan 28-7 Unit
Rio Arriba County, New Mexico
Mesaverde Participating Area

Gentlemen:

There are four completed Mesaverde wells upon this Unit, none of which have yet been produced. These wells are as follows:

<u>Formerly</u>	<u>Well Name</u>	<u>Now</u>	<u>Sec.</u>	<u>Twsp.</u>	<u>Rge.</u>
Nickson #1	San Juan 28-7 #1	E/2 33	28	7	
Grambling #4-A	San Juan 28-7 #2	W/2 5	27	7	
Howell #2-F	San Juan 28-7 #3	W/2 6	27	7	
Howell #3-F	San Juan 28-7 #4	E/2 7	27	7	

El Paso Natural Gas Company, as Unit Operator, has not yet determined that these are commercial wells. The San Juan 28-7 #1 was completed with an initial potential of 487,000 cu. ft. per day and a shut in pressure of 1035#; the San Juan 28-7 #2 was completed with an initial potential of 686,000 cu.ft. per day and a shut in pressure of 1037#; the San Juan 28-7 #3 was completed with an initial potential of 196,000 cu. ft. and a shut in pressure of 848#; and the San Juan 28-7 #4 was completed with an initial potential of 60,000 cu.ft. per day and a shut in pressure of 243#. In an attempt to make better wells, we have reworked the San Juan 28-7 #4 at considerable expense, but with no appreciable improvement. We plan to move a rig on the San Juan 28-7 #3 in the immediate future in an attempt to make a forked hole completion and improve this well. If this rework job does not improve this well, there is a possibility we may decide to plug the #3 and #4 back to the Pictured Cliffs formation which we now feel will produce better in this area than the Mesaverde section.

Page 2

Director, U.S.G.S.
Commissioner of Public Lands
Oil Conservation Commission
May 20, 1953

As soon as we have reworked the #3, we will make a determination as to whether further workovers will be justified, or whether these wells should be plugged back to the Pictured Cliffs formation, or whether they are commercial or non-commercial wells.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By R. L. Hamblin
R. L. Hamblin
Lease Department

RLH:ms

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. N. B. Venus
The Bay Petroleum Company
1655 Grant Street
Denver, Colorado

Mr. Paul W. Neuenschwander
Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia

Mr. Frank D. Gorham, Jr.
Pubco Development, Inc.
P. O. Box 1360
Albuquerque, New Mexico

Mr. Aaron L. Colvin
Delhi Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. D. J. Simmons
3112 Odessa Street
Fort Worth, Texas

Mr. B. G. Martin
San Jacinto Petroleum Corporation
1107 San Jacinto Building
Houston 2, Texas

Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Mr. J. Glenn Turner
Turner, White, Atwood, McLane & Francis
1711 Mercantile Bank Building
Dallas 1, Texas

Mr. R. E. Beamon
346 Esperson Building
Houston 2, Texas

Miss Margaret Clark
Three States Natural Gas Company
1110 Tower Petroleum Building
Dallas, Texas

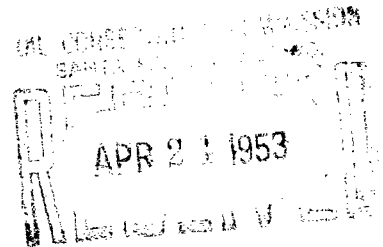
Mr. W. H. Riddle
Dateland, Arizona

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

April 15, 1953



Director
United States Geological Survey
Department of The Interior
Washington, D. C.

Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
Request for approval of
Original Participating Area
Pictured Cliffs Formation

Gentlemen:

Pursuant to the pertinent provisions of Section 11 (a) of the San Juan 28-7 Unit Agreement No. 14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company hereby respectfully requests approval of the original participating area for the Pictured Cliffs formation. You have previously been advised of our notice of completion of the Nielson #1 well by letter dated February 26, 1953, and our conclusion that it was a commercial well. We have received no protests to this conclusion from any working interest owner.

Attached hereto is "Exhibit A" which shows the proposed participating area for this well together with all the pertinent information to such participating area. If this original participating area for the Pictured Cliffs formation meets with your approval, please indicate such acceptance upon the bottom of a copy of Exhibit A and return an approved copy for our files.

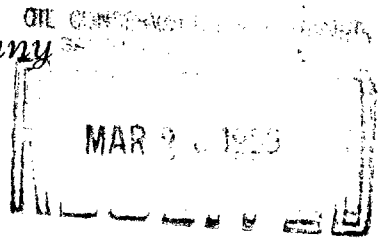
Copy sent mailed 4-30-53
(11)

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

March 19, 1953



Mr. R. R. Spurrier
Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Mr. B. G. Martin
San Jacinto Petroleum Corp.
1107 San Jacinto Bldg.
Houston 2, Texas

Mr. E. S. Walker
Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Mr. Donald B. Anderson
Malco Refining Company
Box 660
Roswell, New Mexico

Case 445

Mr. Frank D. Gorham, Jr.
Pubco Development, Inc.
P.O. Box 1360
Albuquerque, New Mexico

Mr. J. Glenn Turner
Turner, White, Atwood, McLane & Francis
1711 Mercantile Bank Bldg.
Dallas 1, Texas

Mr. Aaron L. Colvin
Delhi Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. R. E. Beamon
346 Esperson Bldg.
Houston 2, Texas

Mr. D. J. Simmons
3112 Odessa Street
Fort Worth, Texas

Miss Margaret Clark
Three States Natural Gas Company
1110 Tower Petroleum Bldg.
Dallas, Texas

Mr. W. H. Riddle
Dateland, Arizona

Gentlemen:

Enclosed herewith for your files is a fully executed copy of our San Juan 28-7 Unit Agreement and Unit Operating Agreement which was approved by the United States Geological Survey on January 29, 1953. This Unit Agreement, upon approval, was given the number 4-08-001-459. The Survey has now abolished their old I-Sec. numbers. We have previously furnished you a schedule setting forth the first production and participating area.

Yours very truly,

R L Hamblin

R. L. Hamblin
Lease Department

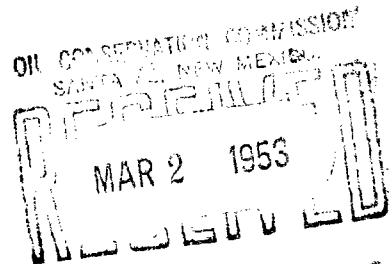
RLH:dm
Encls.

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

February 26, 1953



Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
Notice of Completion of
Initial Participating Area
for Pictured Cliffs Zone

Dear Sir:

In accordance with section 11(a) of the San Juan 28-7 Unit Agreement, approved January 29, 1953, El Paso Natural Gas Company as Unit Operator determined that the first well capable of producing unitized substances in paying quantities from the Pictured Cliffs formation was completed upon acreage committed to this unit. The participating area for this well and the Pictured Cliffs formation is the E/2 of Section 20, Township 27 North, Range 7 West, Rio Arriba County, New Mexico, and the effective date thereof is considered to be January 29, 1953, the date of approval of the Unit Agreement.

The well is J. R. Sharp's Nielson #1, located 990 feet from the south line and 990 feet from the east line of Section 20, Township 27 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 6, 1952 and completed on November 26, 1952 in the Pictured Cliffs formation, with a total depth of 3004 feet. The top of the Pictured Cliffs formation was 2925 feet. The Pictured Cliffs sand between 2937 feet and 3004 feet was shot with 300 quarts of nitroglycerin. This well had an initial production flow of 700 MCF of gas per day with a shut in pressure of 820 pounds.

The drilling block for this well is the E/2 of Section 20, Township 27 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico, and the entire working interest is owned by J. R. Sharp. Brookhaven Oil Company and Dacresa Oil Corporation jointly own a 5% override under this drilling tract, as indicated on Exhibit attached to this letter. This well was tied in to the gathering system of El Paso Natural Gas Company on January 26, 1953 and date of first production was January 28, 1953. Gas from this well is now being produced and sold to El Paso Natural Gas Company.

Page 2
Director U.S.G.S., Washington
February 26, 1953

Copies of this letter are being sent to the Oil and Gas Supervisor, The Commissioner of Public Lands of the State of New Mexico, the New Mexico Oil Conservation Commission, and the working interest owners as listed below.

Yours very truly,

EL PASO NATURAL GAS COMPANY, UNIT OPERATOR

By R L Hamblin
Lease Department

RLH:ms

cc: Manager, Bureau Land Management
Santa Fe, New Mexico

Pubco Development, Inc.
Albuquerque, New Mexico

Delhi Oil Corporation
Dallas, Texas

Three States Natural Gas Company
Dallas, Texas

Brookhaven Oil Company
Albuquerque, New Mexico

San Jacinto Petroleum Corp.
Houston, Texas

Dacresa Corporation
Albuquerque, New Mexico

Malco Refineries, Inc.
Roswell, New Mexico

J. Glenn Turner
Dallas, Texas

Alfred E. McLane
Dallas, Texas

W. C. McCord
Dallas, Texas

R. E. Beamon
Houston, Texas

J. R. Sharp
Tulsa, Oklahoma

D. J. Simmons
Fort Worth, Texas

Southern Petroleum Exploration
Sistersville, West Virginia

W. H. Riddle
Dallas, Texas

C. I. Wolfe, Petroleum Accountant
U.S.G.S., Roswell, New Mexico

E X H I B I T

SAN JUAN 28-7 UNIT
ORIGINAL PARTICIPATING AREA
TOWNSHIP 27 NORTH, RANGE 7 WEST, N.M.P.M.
SECTION 20: E/2
RIO ARriba COUNTY, NEW MEXICO

The entire working interest under the above drilling tract is owned by J. R. Sharp, subject to a 5% overriding royalty payable jointly to Brookhaven Oil Company and Dacresa Oil Corporation.

This drilling tract is located on federal lease USA SF-078640, and $12\frac{1}{2}\%$ royalty on production from this lease and drilling tract must be paid to the United States of America.

The gross proceeds from the above well should be broken down as follows:

Royalty interest	$12\frac{1}{2}\%$	----- payable to U.S.A. Government
Working interest	$82\frac{1}{2}\%$	----- payable to J. R. Sharp
Overriding Royalty Interest	5 %	----- payable jointly to: Brookhaven Oil Company and Dacresa Oil Corporation

100 %



Midland Division
Exploration Production

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500
(915) 686-5400

July 17, 1995

Bureau of Land Management
Farmington District Office
1235 LaPlata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501-1148

Oil Conservation Division
State of New Mexico
2040 South Pacheco
Santa Fe, New Mexico 87505

**Re: Exhibit B; San Juan 28-7 Unit
Rio Arriba County, New Mexico**

Gentlemen:

Enclosed herewith is a copy of the San Juan 28-7 Unit Exhibit "B" which has been revised effective March 1, 1995. Also enclosed are updated copies of the participating area schedule for the Pictured Cliffs, Chacra, Mesaverde and Dakota formations. Each of these schedules reflects acreage figures consistent with the most recent government survey. To the best of our knowledge, these schedules reflect the correct ownership in the Unit as of March 1, 1995.

Yours very truly,

Tom Scarbrough

Enclosures

cc: 28-7 Working Interest Owners
(See attached list)

WORKING INTEREST OWNERS

San Juan 28-7 Unit

July 17, 1995

Texaco Exploration & Production Inc.
Attn: Gary E. Cox
P.O. Box 2100
Denver, CO 80201

El Paso Production Company
% Meridian Oil Inc.
Attn: Land
P.O. Box 4289
Farmington, NM 87499-4289

Koch Exploration
Attn: R. J. Miller
P.O. Box 2256
Wichita, KS 67201-2256

W. G. Peavy Oil Company
P.O. Box 5667
Richardson, TX 75083

The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, TX 75225-6311

Union Oil of California
Attn: Carbett J. Duhon, Jr.
Central U.S. Business Unit
P.O. Box 4551
Houston, TX 77210-4551

University of Texas
Law School Foundation
Attn: M. Atlas
727 East 26th Street
Austin, TX 78705-3224

Mary F. Turner Trust N° 6743
Texas Commerce Bank, N.A.
P.O. Box 660197
Dallas, TX 75226-0197

Kathleen McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Michael S. McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

D. J. Simmons Co., Limited Partnership
P.O. Box 1469
Farmington, NM 87499-1469

Dawn J. Turnbull
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Elizabeth J. Turner-Calloway
4801 Saint Johns Drive
Dallas, TX 75205-3143

J. Glenn Turner, Jr.
3131 Turtle Creek Blvd.
Suite 1201
Dallas, TX 75219-5441

John Lee Turner
P.O. Box 797215
Dallas, TX 75379-7215

Cindy Brady
2222 Flat Creek
Richardson, TX 75080-2332

Denise Turnbull Williams
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Derrick Turnbull
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76012-4941

Helen Louise Simmons
2429 Wabash Avenue
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952

Conoco Inc.
Attn: Tom Scarbrough
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Present Actual Participation	
			Ownership	Percentage		
NM 03560	T-27-N, R-7-W Section 29: E $\frac{1}{2}$	320.00	Royalty:	<u>Tract 2</u>	1.277527 %	
			Working Interest:			
			Conoco Inc.			
			ORRI:			
			<u>12.500000 %</u>			12.500000 %
			<u>64.125000 %</u>			64.125000 %
			<u>23.375000 %</u>			23.375000 %
			<u>100.000000 %</u>			100.000000 %
			Total			
SF 078417	T-28-N, R-7-W Section 7: S $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 8: S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 16: SW $\frac{1}{4}$, SE $\frac{1}{4}$ Section 17: E $\frac{1}{2}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 18: E $\frac{1}{2}$ Section 20: NE $\frac{1}{4}$ Section 21: NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$	2,120.00	Royalty:	<u>Tract 3</u>	8.463618 %	
			Working Interest:			
			Conoco Inc.			
			ORRI:			
			<u>12.500000 %</u>			12.500000 %
			<u>84.500000 %</u>			84.500000 %
			<u>3.000000 %</u>			3.000000 %
			<u>100.000000 %</u>			100.000000 %
			Total			
SF 078417-A	T-28-N, R-7-W Section 18: E $\frac{1}{2}$ NW $\frac{1}{4}$ Section 22: SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$	320.00	Royalty:	<u>Tract 4</u>	1.277527 %	
			Working Interest:			
			El Paso Production Co.			
			ORRI:			
			<u>12.500000 %</u>			12.500000 %
	<u>83.500000 %</u>	83.500000 %				
	<u>4.000000 %</u>	4.000000 %				
	<u>100.000000 %</u>	100.000000 %				
	Total					

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Present Actual Participation
			Ownership	Percentage	
SF 078496	T-27-N, R-7-W	1,689.94	Royalty:		<u>6.746701 %</u>
	Section 3: Lots 1, 2, 3, 4, S $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$		Working Interest:		
	Section 5: Lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{4}$		ORRI:		
	T-28-N, R-7-W				
	Section 27: SE $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 34: Lots 3, 4, N $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ Section 35: Lots 1, 2, 3, 4, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$				
<u>Total</u>				12.500000 % 84.500000 % 3.000000 % 100.000000 %	12.500000 % 84.500000 % 3.000000 % 100.000000 %
SF 078496-A	T-27-N, R-7-W	801.83	Royalty:		<u>3.201124 %</u>
	Section 4: Lots 1, 2, 3, 4, S $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$		Working Interest:		
	T-28-N, R-7-W		El Paso Production Co.		
	Section 26: SW $\frac{1}{4}$ Section 34: Lots 1, 2, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$		ORRI:		
<u>Total</u>				12.500000 % 83.500000 % 4.000000 % 100.000000 %	12.500000 % 83.500000 % 4.000000 % 100.000000 %
SF 078497	T-28-N, R-7-W	1,639.56	Royalty:		<u>6.545570 %</u>
	Section 7: Lots 1, 2, 3, 4, 5		Working Interest:		
	Section 8: Lots 1, 2, 3, 4, S $\frac{1}{2}$ SE $\frac{1}{4}$		Conoco Inc.		
	Section 16: NW $\frac{1}{4}$, NE $\frac{1}{4}$ Section 19: Lot 1, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ Section 20: N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 29: W $\frac{1}{2}$		ORRI:		
<u>Total</u>				12.500000 % 84.500000 % 3.000000 % 100.000000 %	12.500000 % 84.500000 % 3.000000 % 100.000000 %

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Present Actual Participation
			Ownership	Percentage	
SF 078497-A	T-28-N, R-7-W	844.40	Royalty:		<u>Tract 8</u> 3.371075 %
	Section 9: Lots 1, 2, 3, 4, S½ S½		Working Interest:		
	Section 18: Lots 1, 2, 3, 4, E½ SW¼		El Paso Production Co.	12.500000 %	
	Section 20: W½		ORRI:	83.500000 %	
			<u>Total</u>	4.000000 % 100.000000 %	
SF 078498	T-28-N, R-7-W	1,988.00	Royalty:		<u>Tract 9</u> 7.936638 %
	Section 27: W½ NE¼, W½		Working Interest:		
	Section 28: W½		Conoco Inc.	12.500000 %	
	Section 29: E½		ORRI:	84.500000 %	
	Section 32: Lots 1, 2, N½ SE¼, NE¼ Section 33: Lots 1, 2, 3, 4, N½ SW¼, NW¼, N½ SE¼, NE¼		<u>Total</u>	3.000000 % 100.000000 %	
SF 078498-A	T-28-N, R-7-W	515.36	Royalty:		<u>Tract 9-A</u> 2.057458 %
	Section 28: SE¼, NE¼ NE¼		Working Interest:		
	Section 32: Lots 3, 4, N½ SW¼, NW¼		El Paso Production Co.	12.500000 %	
			ORRI:	83.500000 %	
			<u>Total</u>	4.000000 % 100.000000 %	
SF 078500-A	T-28-N, R-7-W	610.36	Royalty:		<u>Tract 10</u> 2.436723 %
	Section 19: Lots 2, 3, 4		Working Interest:		
	Section 30: N½ NE¼, SW¼ NE¼, S½ SE¼		Conoco Inc.	12.500000 %	
	Section 31: Lots 1, 2, 3, 4, 5, E½ NW¼, NE¼ SW¼		ORRI:	84.500000 %	
			<u>Total</u>	3.000000 % 100.000000 %	

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Percentage Committed	Present Actual Participation
			Ownership	Percentage		
SF 078500	T-28-N, R-7-W Section 30: Lots 1, 2, 3, E 1/2 NW 1/4	189.30	Royalty: Working Interest: El Paso Production Co. ORRI:	12.500000 % 83.500000 % 4.000000 % 100.000000 %	12.500000 % 83.500000 % 4.000000 % 100.000000 %	0.755737 %
<u>Tract 10-A</u>						
SF 078565	T-27-N, R-7-W Section 5: SE 1/4	160.00	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 69.500000 % 18.000000 % 100.000000 %	12.500000 % 69.500000 % 18.000000 % 100.000000 %	0.638764 %
<u>Tract 11</u>						
SF 078565-A	T-27-N, R-7-W Section 5: Lots 3, 4, S 1/2 NW 1/4, SW 1/4	320.52	Royalty: Working Interest: El Paso Production Co. ORRI:	12.500000 % 86.500000 % 1.000000 % 100.000000 %	12.500000 % 86.500000 % 1.000000 % 100.000000 %	1.279603 %
<u>Tract 12</u>						
SF 078569	T-27-N, R-7-W Section 8: NE 1/4	160.00	Royalty: Working Interest: El Paso Production Co. ORRI:	12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	0.638764 %
<u>Tract 13</u>						

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Percentage Committed	Present Actual Participation
			Ownership	Percentage		
SF 078570	T-27-N, R-7-W Section 4: SE 1/4, SW 1/4 Section 8: SE 1/4 Section 9: NW 1/4	640.00	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 80.500000 % 7.000000 % 100.000000 %	12.500000 % 80.500000 % 7.000000 % 100.000000 %	<u>2.555054 %</u>
Tract 14						
Total						
SF 078640	T-27-N, R-7-W Section 9: SW 1/4 Section 15: W 1/2	480.00	Royalty: Working Interest: El Paso Production Co. ORRI:	12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	<u>1.916291 %</u>
Tract 15						
Total						
SF 078835-A	T-27-N, R-7-W Section 6: Lots 1, 2, S 1/2 NE 1/4, SE 1/4 Section 7: Lots 1, 2, 3, 4, E 1/2 W 1/2	640.86	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	<u>2.558488 %</u>
Tract 17						
Total						
SF 078840	T-27-N, R-7-W Section 18: Lots 1, 2, 3, 4, E 1/2 W 1/2 Section 19: E 1/2	640.36	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	<u>2.556492 %</u>
Tract 18						
Total						

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Percentage Committed	Present Actual Participation
			Ownership	Percentage		
SF 078972	T-27-N, R-7-W Section 3: SE 1/4, SW 1/4 Section 10: E 1/2, W 1/2 Section 11: E 1/2, W 1/2	1,600.00	Royalty: Working Interest: El Paso Production Co. Conoco Inc. ORRI:	12.500000 % 49.500000 % 33.000000 % 5.000000 % 100.000000 %	12.500000 % 49.500000 % 33.000000 % 5.000000 % 100.000000 %	6.387636 %
				<u>Tract 19</u>		
				Total		
SF 078972-A	T-27-N, R-7-W Section 9: E 1/2	320.00	Royalty: Working Interest: El Paso Production Co. Conoco Inc. Univ. of Texas Law School Foundation W. G. Peavy Oil Company ORRI:	12.500000 % 66.666670 % 3.333333 % 3.333333 % 6.666664 % 7.500000 % 100.000000 %	12.500000 % 66.666670 % 3.333333 % 3.333333 % 6.666664 % 7.500000 % 100.000000 %	1.277527 %
				<u>Tract 20</u>		
				Total		
SF 079289	T-28-N, R-7-W Section 10: Lots 1, 2, 3, 4, S 1/2 S 1/2 Section 12: Lots 1, 2, 3, 4, S 1/2 S 1/2 Section 14: E 1/2 Section 15: E 1/2 Section 22: N 1/2 NW 1/4	1,304.48	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 69.500000 % 18.000000 % 100.000000 %	12.500000 % 69.500000 % 18.000000 % 100.000000 %	5.207840 %
				<u>Tract 21</u>		
				Total		

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Present Actual Participation
			Ownership	Percentage	
SF 079289-A	T-28-N, R-7-W	1,252.80	Royalty:		
	Section 11: Lots 1, 2, 3, 4, S½ S½		Working Interest:		
	Section 14: W½		El Paso Production Co.	52.500000 %	52.500000 %
	Section 15: W½		D. J. Simmons Co. Ltd. Partnership	26.250000 %	26.250000 %
	Section 22: E½		Helen Louise Simmons	2.187500 %	2.187500 %
			June Simmons Lively	2.187500 %	2.187500 %
			Mary Jane Simmons Banks	2.187500 %	2.187500 %
			Carolee Simmons Smith	2.187500 %	2.187500 %
			ORRI:	0.000000 %	0.000000 %
			Total	100.000000 %	100.000000 %
					5.001519 %
SF 079290	T-28-N, R-7-W	1,280.00	Royalty:		
	Section 13: E½		Working Interest:		
	Section 23: W½		Conoco Inc.	69.500000 %	69.500000 %
	Section 24: W½		ORRI:	18.000000 %	18.000000 %
	Section 26: NW¼, NE¼		Total	100.000000 %	100.000000 %
					5.110109 %
SF 079290-A	T-28-N, R-7-W	960.00	Royalty:		
	Section 13: W½		Working Interest:		
	Section 23: E½		El Paso Production Co.	51.900000 %	51.900000 %
	Section 24: E½		D. J. Simmons Co. Ltd. Partnership	25.950000 %	25.950000 %
			Helen Louise Simmons	2.162500 %	2.162500 %
			June Simmons Lively	2.162500 %	2.162500 %
			Mary Jane Simmons Banks	2.162500 %	2.162500 %
			Carolee Simmons Smith	2.162500 %	2.162500 %
			ORRI:	1.000000 %	1.000000 %
			Total	100.000000 %	100.000000 %
					3.832582 %

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Present Actual Participation
			Ownership	Percentage	
SF 079290-B	T-28-N, R-7-W Section 25: NW¼, NE¼	320.00	Royalty:	12.500000 %	<u>1.277527 %</u>
			Working Interest:	28.000000 %	
			Conoco Inc.	42.000000 %	
			El Paso Production Co.	17.500000 %	
			ORRI:	100.000000 %	
			Total	100.000000 %	
SF 079294	T-28-N, R-7-W Section 25: SW¼, SE¼	320.00	Royalty:	12.500000 %	<u>1.277527 %</u>
			Working Interest:	34.200000 %	
			Conoco Inc.	51.300000 %	
			El Paso Production Co.	2.000000 %	
			ORRI:	100.000000 %	
			Total	100.000000 %	
SF 079294	T-28-N, R-7-W Section 26: SE¼ Section 36: Lots 1, 2, 3, 4, N½ SW¼, NW¼ N½ SE¼, NE¼	816.88	Royalty:	12.500000 %	<u>3.261207 %</u>
			Working Interest:	27.200000 %	
			Conoco Inc.	40.800000 %	
			El Paso Production Co.	19.500000 %	
			ORRI:	100.000000 %	
			Total	100.000000 %	
SF 079298-B	T-27-N, R-7-W Section 12: E½, W½	640.00	Royalty:	12.500000 %	<u>2.555054 %</u>
			Working Interest:	82.000000 %	
			Conoco Inc.	5.500000 %	
			ORRI:	100.000000 %	
			Total	100.000000 %	

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Present Actual Participation
			Ownership	Percentage	
SF 079321-A	T-27-N, R-7-W Section 1: Lots 1, 2, 3, 4, S½ NE¼, SE¼ S½ NW¼, SW¼	639.20	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 82.000000 % 5.500000 % 100.000000 %	12.500000 % 82.000000 % 5.500000 % 100.000000 %
	Total				2.551861 %
NM E-290-28	T-27-N, R-7-W Section 2: Lots 3, 4, SW¼ SW¼ SE¼	278.96	Royalty: Working Interest: Union Oil Company of California El Paso Production Co. ORRI:	12.500000 % 68.750000 % 13.750000 % 5.000000 % 100.000000 %	12.500000 % 68.750000 % 13.750000 % 5.000000 % 100.000000 %
	Total				1.113684 %
NM E-290-3	T-27-N, R-7-W Section 2: Lot 2, SW¼ NE¼ NW¼ SE¼	119.54	Royalty: Working Interest: The Wiser Oil Company ORRI:	12.500000 % 87.500000 % 0.000000 % 100.000000 %	12.500000 % 87.500000 % 0.000000 % 100.000000 %
	Total				0.477236 %
NM E-290-28	T-27-N, R-7-W Section 2: Lot 1, SE¼ NE¼ NE¼ SE¼	119.58	Royalty: Working Interest: Union Oil Company of California El Paso Production Co. ORRI:	12.500000 % 72.916660 % 14.583340 % 0.000000 % 100.000000 %	12.500000 % 72.916660 % 14.583340 % 0.000000 % 100.000000 %
	Total				0.477396 %

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Percentage Committed	Present Actual Participation
			Ownership	Percentage		
NM E-290-33	<u>T-27-N, R-7-W</u>	120.00	Royalty:	12.500000 %	12.500000 %	<u>0.479073 %</u>
	Section 2: S½ NW¼, SE¼ SE¼		Working Interest:	75.000000 %	75.000000 %	
			El Paso Production Co.	12.500000 %	12.500000 %	
			ORRI:	<u>100.000000 %</u>	<u>100.000000 %</u>	
	<u>Total</u>					
NM E-2825-6	<u>T-27-N, R-7-W</u>	320.00	Royalty:	12.500000 %	12.500000 %	<u>1.277527 %</u>
	Section 16: E½		Working Interest:	49.500000 %	49.500000 %	
			El Paso Production Co.	33.000000 %	33.000000 %	
			Conoco Inc.	5.000000 %	5.000000 %	
			ORRI:	<u>100.000000 %</u>	<u>100.000000 %</u>	
	<u>Total</u>					
Fee	<u>T-28-N, R-7-W</u>	236.46	Royalty:	12.500000 %	12.500000 %	<u>0.944013 %</u>
	Section 28: S½ NE¼, NW¼ NE¼		Working Interest:	87.500000 %	87.500000 %	
	Section 30: Lot 4, E½ SW¼		El Paso Production Co.	0.000000 %	0.000000 %	
			ORRI:	<u>100.000000 %</u>	<u>100.000000 %</u>	
	<u>Total</u>					
Fee	<u>T-28-N, R-7-W</u>	320.00	Royalty:	12.500000 %	12.500000 %	<u>1.277527 %</u>
	Section 20: S½ SE¼		Working Interest:	87.500000 %	87.500000 %	
	Section 21: S½ SW¼, SW¼ SE¼		Conoco Inc.	0.000000 %	0.000000 %	
	Section 30: N½ SE¼, SE¼ NE¼		ORRI:	<u>100.000000 %</u>	<u>100.000000 %</u>	
	<u>Total</u>					

Schedule XXXIX

Thirty-Eighth Expanded Participating Area for the Mesaverde Formation San Juan 28-7 Unit Area, Effective August 1, 1980

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

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 7 West, N.M.P.M.
Sections 1, 2, 3, 4, 5, 9, 10, 11, 12: All
Sections 6, 8, 16, 19, 29: E½
Sections 7, 15, 18: W½

Township 28 North, Range 7 West, N.M.P.M.
Sections 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21,
22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36: All
Section 17: E½, NW¼, NE¼ SW¼, S½ SW¼
Section 31: W½

Total number of acres in participating area:	25,048.39
Percent of basic royalty interest committed:	100.00 %
Percent of working interest committed:	100.00 %
Percent of overriding royalty interest committed:	100.00 %

Schedule X

Ninth Expanded Participating Area for the Chacra Formation San Juan 28-7 Unit Area, Effective March 1, 1984

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
NM 03521	T-27-N, R-7-W Section 20: W½	320.00	Royalty: Working Interest: Conoco Inc. ORRI: Total	<u>Tract 1</u>		4.445438 %
				12.500000 %	12.500000 %	
				65.125000 %	65.125000 %	
				22.375000 %	22.375000 %	
				100.000000 %	100.000000 %	
NM 03560	T-27-N, R-7-W Section 29: SW¼ Section 30: Lots 1, 2, 3, 4, E½ W½, E½	801.44	Royalty: Working Interest: Conoco Inc. ORRI: Total	<u>Tract 2</u>		11.133600 %
				12.500000 %	12.500000 %	
				63.125000 %	63.125000 %	
				24.375000 %	24.375000 %	
				100.000000 %	100.000000 %	
NM 03560	T-27-N, R-7-W Section 29: N½, SE¼	480.00	Royalty: Working Interest: Conoco Inc. ORRI: Total	<u>Tract 2-A</u>		6.668150 %
				12.500000 %	12.500000 %	
				64.125000 %	64.125000 %	
				23.375000 %	23.375000 %	
				100.000000 %	100.000000 %	
SF 076500-A	T-28-N, R-7-W Section 31: Lots 6, 7, N½, SE¼, NE¼, (E½)	315.00	Royalty: Working Interest: Conoco Inc. ORRI: Total	<u>Tract 10</u>		4.375979 %
				12.500000 %	12.500000 %	
				84.500000 %	84.500000 %	
				3.000000 %	3.000000 %	
				100.000000 %	100.000000 %	

**Ninth Expanded Participating Area for the Chacra Formation
San Juan 28-7 Unit Area, Effective March 1, 1984**

Unit Area Expansion Schedule – San Juan Basin

Serial Number	Description	Number of Acres	Royalty:	Drilling Block		Present Actual Participation
				Ownership	Percentage	
SF 078640	T-27-N, R-7-W Section 15: W $\frac{1}{2}$ Section 17: E $\frac{1}{2}$ Section 20: E $\frac{1}{2}$ Section 21: All Section 22: W $\frac{1}{2}$ Section 27: NW $\frac{1}{4}$ Section 28: N $\frac{1}{2}$	2,400.00	Working Interest: El Paso Production Co. ORRI: Total	12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	33.340789 %
SF 078835	T-27-N, R-7-W Section 6: Lots 3, 4, 5, 6, 7, SE $\frac{1}{4}$, NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ (W $\frac{1}{2}$) Section 7: E $\frac{1}{2}$	640.20	Royalty: Working Interest: El Paso Production Co. ORRI: Total	12.500000 % 84.000000 % 3.500000 % 100.000000 %	12.500000 % 84.000000 % 3.500000 % 100.000000 %	8.893655 %
SF 078835-A	T-27-N, R-7-W Section 6: Lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ (E $\frac{1}{2}$) ORRI: Total	320.60	Royalty: Working Interest: Conoco Inc. ORRI: Total	12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	4.453774 %
SF 078840	T-27-N, R-7-W Section 18: E $\frac{1}{2}$	320.00	Royalty: Working Interest: Conoco Inc. ORRI: Total	12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	4.445440 %

Schedule X

Ninth Expanded Participating Area for the Chacra Formation San Juan 28-7 Unit Area, Effective March 1, 1984

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 078840	T-27-N, R-7-W Section 19: Lots 1, 2, 3, 4, E $\frac{1}{2}$, W $\frac{1}{2}$, E $\frac{1}{2}$ (All)	641.15	Royalty:			<u>Tract 18-A</u> 8.906850 %
			Working Interest:			
			Conoco Inc.	12.500000 %	12.500000 %	
			ORRI:	67.500000 %	67.500000 %	
				20.000000 %	20.000000 %	
	<u>Total</u>			100.000000 %	100.000000 %	
SF 078972-A	T-27-N, R-7-W Section 9: E $\frac{1}{2}$	320.00	Royalty:			<u>Tract 20</u> 4.445438 %
			Working Interest:			
			El Paso Production Co.	12.500000 %	12.500000 %	
			Conoco Inc.	66.667000 %	66.667000 %	
			Univ. of Texas Law School Foundation	3.333500 %	3.333500 %	
			W. G. Peavy Oil Company	3.333500 %	3.333500 %	
			ORRI:	6.666000 %	6.666000 %	
				7.500000 %	7.500000 %	
	<u>Total</u>			100.000000 %	100.000000 %	
E-4425-25	T-27-N, R-7-W Section 16: NW $\frac{1}{4}$ NW $\frac{1}{4}$	40.00	Royalty:			<u>Tract 32</u> 0.555680 %
			Working Interest:			
			El Paso Production Co.	12.500000 %	12.500000 %	
			ORRI:	83.500000 %	83.500000 %	
				4.000000 %	4.000000 %	
	<u>Total</u>			100.000000 %	100.000000 %	
E-4425-48	T-27-N, R-7-W Section 16: NE $\frac{1}{4}$ NW $\frac{1}{4}$	40.00	Royalty:			<u>Tract 33</u> 0.555680 %
			Working Interest:			
			El Paso Production Co.	12.500000 %	12.500000 %	
			ORRI:	82.500000 %	82.500000 %	
				5.000000 %	5.000000 %	
	<u>Total</u>			100.000000 %	100.000000 %	

Schedule X

Ninth Expanded Participating Area for the Chacra Formation San Juan 28-7 Unit Area, Effective March 1, 1984

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Present Actual Participation
			Ownership	Percentage	
E-4425-46	T-27-N, R-7-W Section 16: SW $\frac{1}{4}$, NW $\frac{1}{4}$	40.00	Royalty:		0.555680 %
			Working Interest:		
			El Paso Production Co.	12.500000 %	
			Conoco Inc.	50.700000 %	
			ORRI:	33.800000 %	
				33.800000 %	
				3.000000 %	
				100.000000 %	
E-2825-6	T-27-N, R-7-W Section 16: SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$	520.00	Royalty:		7.223838 %
			Working Interest:		
			El Paso Production Co.	12.500000 %	
			Conoco Inc.	49.500000 %	
			ORRI:	33.000000 %	
				33.000000 %	
				5.000000 %	
				100.000000 %	

Schedule X

Ninth Expanded Participating Area for the Chacra Formation San Juan 28-7 Unit Area, Effective March 1, 1984

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Drilling Block		Percentage Committed	Present Actual Participation
			*	Ownership		

Recapitulation

Description of Lands in Participating Area:

Township 27 North, Range 7 West, N.M.P.M.

Section 27: NW $\frac{1}{4}$

Section 6, 16, 19, 20, 21, 29, 30: All

Section 7, 9, 17, 18: E $\frac{1}{2}$

Section 28: N $\frac{1}{2}$

Sections 15, 22: W $\frac{1}{2}$

Township 28 North, Range 7 West, N.M.P.M.

Section 31: E $\frac{1}{2}$

Total number of acres in participating area:

7,198.39

Total number of acres committed to participating area:

7,198.39

Percent of basic royalty interest committed:

100.00 %

Percent of working interest committed:

100.00 %

Percent of overriding royalty interest committed:

100.00 %

**Thirty—Second Expanded Participating Area for the Pictured Cliffs Formation
San Juan 28—7 Unit Area, Effective June 1, 1981**

Conoco Inc.

Unit Area Expansion Schedule – San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block	Percentage	Percentage Committed	Present Actual Participation
NM 03521	T-27-N, R-7-W Section 20: SW 1/4, S 1/2 NW 1/4, NE 1/4 NW 1/4	280.00	Royalty: Working Interest: Conoco Inc. ORRI:	Tract 1	12.500000 % 65.125000 % 22.375000 % 100.000000 %	12.500000 % 65.125000 % 22.375000 % 100.000000 %	1.381499 %
NM 03560	T-27-N, R-7-W Section 29: All Section 30: All	1,281.44	Royalty: Working Interest: Conoco Inc. ORRI:	Tract 2	12.500000 % 64.125000 % 23.375000 % 100.000000 %	12.500000 % 64.125000 % 23.375000 % 100.000000 %	6.322529 %
SF 078417	T-28-N, R-7-W Section 7: S 1/2 SE 1/4, SE 1/4 SW 1/4 Section 8: S 1/2 SW 1/4 Section 17: W 1/2 Section 18: E 1/2	840.00	Royalty: Working Interest: Conoco Inc. ORRI:	Tract 3	12.500000 % 84.500000 % 3.000000 % 100.000000 %	12.500000 % 84.500000 % 3.000000 % 100.000000 %	4.144497 %
SF 078417-A	T-28-N, R-7-W Section 18: E 1/2 NW 1/4 Section 22: S 1/2 NW 1/4, SW 1/4	320.00	Royalty: Working Interest: El Paso Production Co. ORRI:	Tract 4	12.500000 % 83.500000 % 4.000000 % 100.000000 %	12.500000 % 83.500000 % 4.000000 % 100.000000 %	1.578856 %

Schedule XXXIII

Thirty-Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28-7 Unit Area, Effective June 1, 1981

Coronco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 078496	T-27-N, R-7-W Section 3: N $\frac{1}{2}$ Section 5: Lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{4}$ T-28-N, R-7-W Section 27: SE $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$ Section 34: Lots 3, 4, N $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ Section 35: Lots 3, 4, N $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$	1,362.24	Royalty: Working Interest: Coronco Inc. ORRI: Total	12.500000 % 84.500000 % 3.000000 % 100.000000 %	12.500000 % 84.500000 % 3.000000 % 100.000000 %	6.721190 %
Tract 5						
SF 078496-A	T-27-N, R-7-W Section 4: N $\frac{1}{2}$ T-28-N, R-7-W Section 34: Lots 1, 2, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$	641.83	Royalty: Working Interest: El Paso Production Co. ORRI: Total	12.500000 % 83.500000 % 4.000000 % 100.000000 %	12.500000 % 83.500000 % 4.000000 % 100.000000 %	3.166741 %
Tract 6						
SF 078497	T-28-N, R-7-W Section 7: Lots 1-5 Section 8: Lots 1-4, S $\frac{1}{2}$ SE $\frac{1}{4}$ Section 19: E $\frac{1}{2}$, Lot 1, E $\frac{1}{2}$ W $\frac{1}{2}$	919.56	Royalty: Working Interest: Conoco Inc. ORRI: Total	12.500000 % 84.500000 % 3.000000 % 100.000000 %	12.500000 % 84.500000 % 3.000000 % 100.000000 %	4.537040 %
Tract 7						
SF 078497-A	T-28-N, R-7-W Section 9: Lots 1-4, S $\frac{1}{2}$ S $\frac{1}{2}$ (All) Section 18: Lots 1-4, E $\frac{1}{2}$ SW $\frac{1}{4}$	524.40	Royalty: Working Interest: El Paso Production Co. ORRI: Total	12.500000 % 83.500000 % 4.000000 % 100.000000 %	12.500000 % 83.500000 % 4.000000 % 100.000000 %	2.587350 %
Tract 8						

Schedule XXXIII

Thirty—Second Expanded Participating Area for the Pictured Cliffs Formation
San Juan 28—7 Unit Area, Effective June 1, 1981Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block	Percentage	Percentage Committed	Present Actual Participation
SF 078498	<u>T-28-N, R-7-W</u>	716.32	Royalty:	<u>Tract 9</u>	12.500000 %	12.500000 %	<u>3.534269 %</u>
	Section 27: W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$		Working Interest:		84.500000 %	84.500000 %	
	Section 33: Lots 1, 2, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$		Conoco Inc.		3.000000 %	3.000000 %	
	ORRI:				100.000000 %	100.000000 %	
	Total						
SF 078498-A	<u>T-28-N, R-7-W</u>	200.00	Royalty:	<u>Tract 9-A</u>	12.500000 %	12.500000 %	<u>0.986785 %</u>
	Section 28: SE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$		Working Interest:		83.500000 %	83.500000 %	
			El Paso Production Co.		4.000000 %	4.000000 %	
	ORRI:				100.000000 %	100.000000 %	
	Total						
SF 078500-A	<u>T-28-N, R-7-W</u>	565.36	Royalty:	<u>Tract 10</u>	12.500000 %	12.500000 %	<u>2.789443 %</u>
	Section 19: Lots 2-4		Working Interest:		84.500000 %	84.500000 %	
	Section 31: Lots 1-7, N $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$		Conoco Inc.		3.000000 %	3.000000 %	
	ORRI:				100.000000 %	100.000000 %	
	Total						
SF 078500	<u>T-28-N, R-7-W</u>	189.30	Royalty:	<u>Tract 10-A</u>	12.500000 %	12.500000 %	<u>0.933992 %</u>
	Section 30: Lots 1-3, E $\frac{1}{2}$ NW $\frac{1}{4}$		Working Interest:		83.500000 %	83.500000 %	
			El Paso Production Co.		4.000000 %	4.000000 %	
	ORRI:				100.000000 %	100.000000 %	
	Total						

Schedule XXXIII

Thirty—Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28—7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
					Percentage	Percentage Committed
SF 078656	<u>T-27-N, R-7-W</u>	320.00	Royalty: Working Interest: Conoco Inc. ORRI:	<u>Tract 11</u>		<u>1.578855 %</u>
	Section 5: SE $\frac{1}{4}$				12.500000 %	
	Section 8: NW $\frac{1}{4}$				69.500000 %	
					18.000000 %	
	<u>Total</u>				<u>100.000000 %</u>	
SF 078565-A	<u>T-27-N, R-7-W</u>	320.52	Royalty: Working Interest: El Paso Production Co. ORRI:	<u>Tract 12</u>		<u>1.581422 %</u>
	Section 5: Lots 3, 4, S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$				12.500000 %	
					86.500000 %	
					1.000000 %	
	<u>Total</u>				<u>100.000000 %</u>	
SF 078569	<u>T-27-N, R-7-W</u>	320.00	Royalty: Working Interest: El Paso Production Co. ORRI:	<u>Tract 13</u>		<u>1.578856 %</u>
	Section 8: SW $\frac{1}{4}$, NE $\frac{1}{4}$				12.500000 %	
					82.500000 %	
					5.000000 %	
	<u>Total</u>				<u>100.000000 %</u>	
SF 078570	<u>T-27-N, R-7-W</u>	640.00	Royalty: Working Interest: Conoco Inc. ORRI:	<u>Tract 14</u>		<u>3.157712 %</u>
	Section 4: S $\frac{1}{2}$				12.500000 %	
	Section 8: SE $\frac{1}{4}$				80.500000 %	
	Section 9: NW $\frac{1}{4}$				7.000000 %	
	<u>Total</u>				<u>100.000000 %</u>	

Schedule XXXIII

Thirty—Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28—7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 078640	<u>T-27-N, R-7-W</u> Section 9: SW $\frac{1}{4}$ Section 15: W $\frac{1}{2}$ Section 17: E $\frac{1}{2}$	800.00	Royalty: Working Interest: El Paso Production Co. ORRI:	<u>Tract 15</u> 12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	<u>3.947140 %</u>
SF 078640	<u>T-27-N, R-7-W</u> Section 20: E $\frac{1}{2}$ Section 21: All Section 22: W $\frac{1}{2}$ Section 27: NW $\frac{1}{4}$ Section 28: N $\frac{1}{2}$	1,760.00	Royalty: Working Interest: El Paso Production Co. ORRI:	<u>Tract 15-A</u> 12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	<u>8.683708 %</u>
SF 078835	<u>T-27-N, R-7-W</u> Section 6: Lots 3-7, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ Section 7: E $\frac{1}{2}$	640.20	Royalty: Working Interest: El Paso Production Co. ORRI:	<u>Tract 16</u> 12.500000 % 84.000000 % 3.500000 % 100.000000 %	12.500000 % 84.000000 % 3.500000 % 100.000000 %	<u>3.158699 %</u>
SF 078835-A	<u>T-27-N, R-7-W</u> Section 6: Lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ Section 7: Lots 1-4, E $\frac{1}{2}$ W $\frac{1}{2}$	640.86	Royalty: Working Interest: Conoco Inc. ORRI:	<u>Tract 17</u> 12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	<u>3.161955 %</u>

Schedule XXXIII

Thirty-Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28-7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 078840	<u>T-27-N, R-7-W</u>	320.36	Royalty:	12.500000 %	12.500000 %	<u>1.580630 %</u>
	Section 18: Lots 1-4, E 1/2 W 1/2		Working Interest:	67.500000 %	67.500000 %	
			Conoco Inc.	20.000000 %	20.000000 %	
			ORRI:	<u>100.000000 %</u>	<u>100.000000 %</u>	
	<u>Total</u>					
SF 078840	<u>T-27-N, R-7-W</u>	641.15	Royalty:	12.500000 %	12.500000 %	<u>3.163390 %</u>
	Section 19: Lots 1-4, E 1/2 W 1/2, E 1/2 (All)		Working Interest:	67.500000 %	67.500000 %	
			Conoco Inc.	20.000000 %	20.000000 %	
			ORRI:	<u>100.000000 %</u>	<u>100.000000 %</u>	
	<u>Total</u>					
SF 078972	<u>T-27-N, R-7-W</u>	1,600.00	Royalty:	12.500000 %	12.500000 %	<u>7.894280 %</u>
	Section 3: S 1/2		Working Interest:	49.500000 %	49.500000 %	
	Section 10: All		El Paso Production Co.	33.000000 %	33.000000 %	
	Section 11: All		Conoco Inc.	5.000000 %	5.000000 %	
	<u>Total</u>			<u>100.000000 %</u>	<u>100.000000 %</u>	
SF 078972-A	<u>T-27-N, R-7-W</u>	320.00	Royalty:	12.500000 %	12.500000 %	<u>1.578856 %</u>
	Section 9: E 1/2		Working Interest:	66.667000 %	66.667000 %	
			El Paso Production Co.	6.666000 %	6.666000 %	
			W. G. Peavy Oil Company	3.333500 %	3.333500 %	
			Univ. of Texas Law School Found.	3.333500 %	3.333500 %	
			Conoco Inc.	7.500000 %	7.500000 %	
			ORRI:	<u>100.000000 %</u>	<u>100.000000 %</u>	
	<u>Total</u>					

Schedule XXXIII

Thirty—Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28—7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 079289	<u>T-28-N, R-7-W</u> Section 10: Lots 1-4, S½ S½ (All) Section 15: E½ Section 22: N½ NW¼	696.08	Royalty: Working Interest: Conoco Inc. ORRI: <i>Total</i>	<u>Tract 21</u> 12.500000 % 69.500000 % 18.000000 % <u>100.000000 %</u>	12.500000 % 69.500000 % 18.000000 % <u>100.000000 %</u>	<u>3.434406 %</u>
SF 079289-A	<u>T-28-N, R-7-W</u> Section 11: Lots 1-4, S½ S½ (All) Section 15: W½ Section 22: E½	932.80	Royalty: Working Interest: El Paso Production Co. D. J. Simmons Co. Ltd. Partnership Helen Louise Simmons June Simmons Lively Mary Jane Simmons Banks Carolee Simmons Smith ORRI: <i>Total</i>	<u>Tract 22</u> 12.500000 % 52.500000 % 26.250000 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 0.000000 % <u>100.000000 %</u>	12.500000 % 52.500000 % 26.250000 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 0.000000 % <u>100.000000 %</u>	<u>4.602365 %</u>
SF 079290	<u>T-28-N, R-7-W</u> Section 13: E½	320.00	Royalty: Working Interest: Conoco Inc. ORRI: <i>Total</i>	<u>Tract 23</u> 12.500000 % 69.500000 % 18.000000 % <u>100.000000 %</u>	12.500000 % 69.500000 % 18.000000 % <u>100.000000 %</u>	<u>1.578856 %</u>

Schedule XXXIII

Thirty—Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28—7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 079290—A	<u>T—28—N, R—7—W</u> Section 24: E½	320.00	Royalty: Working Interest: El Paso Production Co. D. J. Simmons Co. Ltd. Partnership Helen Louise Simmons June Simmons Lively Mary Jane Simmons Banks Carolee Simmons Smith ORRI: <u>Total</u>	<u>Tract 24</u> 12.500000 % 52.500000 % 26.250000 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 0.000000 % <u>100.000000 %</u>	12.500000 %	<u>1.578856 %</u>
SF 079298—B	<u>T—27—N, R—7—W</u> Section 12: All	640.00	Royalty: Working Interest: Conoco Inc. ORRI: <u>Total</u>	<u>Tract 26</u> 12.500000 % 82.000000 % 5.500000 % <u>100.000000 %</u>	12.500000 %	<u>3.157712 %</u>
NM E—290—28	<u>T—27—N, R—7—W</u> Section 2: Lots 3, 4, SW¼	238.96	Royalty: Working Interest: Union Oil Company of California El Paso Production Co. ORRI: <u>Total</u>	<u>Tract 28</u> 12.500000 % 68.750000 % 13.750000 % 5.000000 % <u>100.000000 %</u>	12.500000 %	<u>1.179011 %</u>

Schedule XXXIII

Thirty-Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28-7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block		Present Actual Participation
					Percentage	Percentage Committed	
NM E-290-33	<u>T-27-N, R-7-W</u> Section 2: S½ NW¼	80.00	Royalty:				<u>0.394714 %</u>
			Working Interest:				
			El Paso Production Co.	12.500000 %	75.000000 %		
			ORRI:	75.000000 %	12.500000 %		
			Total	12.500000 %	100.000000 %		
<u>Tract 31</u>							
NM E-4425-25	<u>T-27-N, R-7-W</u> Section 16: NW¼ NW¼	40.00	Royalty:				<u>0.197356 %</u>
			Working Interest:				
			El Paso Production Co.	83.500000 %	83.500000 %		
			ORRI:	4.000000 %	4.000000 %		
			Total	4.000000 %	100.000000 %		
<u>Tract 32</u>							
NM E-4425-48	<u>T-27-N, R-7-W</u> Section 16: NE¼ NW¼	40.00	Royalty:				<u>0.197357 %</u>
			Working Interest:				
			El Paso Production Co.	82.500000 %	82.500000 %		
			ORRI:	5.000000 %	5.000000 %		
			Total	5.000000 %	100.000000 %		
<u>Tract 33</u>							
NM E-4425-46	<u>T-27-N, R-7-W</u> Section 16: SW¼ NW¼	40.00	Royalty:				<u>0.197356 %</u>
			Working Interest:				
			El Paso Production Co.	50.700000 %	50.700000 %		
			ORRI:	33.800000 %	33.800000 %		
			Total	3.000000 %	100.000000 %		
<u>Tract 34</u>							

Schedule XXXIII

Thirty - Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28-7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
NM E-2825-6						
	<u>T-27-N, R-7-W</u>	520.00	Royalty:			<u>2.565641 %</u>
	Section 16: SE 1/4 NW 1/4, SW 1/4, E 1/2		Working Interest:	12.500000 %	12.500000 %	
			El Paso Production Co.	49.500000 %	49.500000 %	
			Conoco Inc.	33.000000 %	33.000000 %	
			ORRI:	5.000000 %	5.000000 %	
			<u>Total</u>	<u>100.000000 %</u>	<u>100.000000 %</u>	
<u>Tract 35</u>						
				12.500000 %		
				49.500000 %		
				33.000000 %		
				5.000000 %		
				100.000000 %		
Fee						
	<u>T-28-N, R-7-W</u>	236.46	Royalty:			<u>1.166676 %</u>
	Section 28: W 1/2 NE 1/4, SE 1/4 NE 1/4		Working Interest:	12.500000 %	12.500000 %	
	Section 30: Lot 4, E 1/2 SW 1/4		El Paso Production Co.	87.500000 %	87.500000 %	
			ORRI:	0.000000 %	0.000000 %	
			<u>Total</u>	<u>100.000000 %</u>	<u>100.000000 %</u>	
<u>Tract 36</u>						
				12.500000 %		
				87.500000 %		
				0.000000 %		
				100.000000 %		

Schedule XXXIII

Thirty—Second Expanded Participating Area for the Pictured Cliffs Formation San Juan 28—7 Unit Area, Effective June 1, 1981

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block	Percentage	Percentage Committed	Present Actual Participation

Recapitulation

Description of Lands in Participating Area:

<u>Township 28 North, Range 7 West, N.M.P.M.</u>								
Section 7: Lots 1—5, SE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ (All)								<u>Township 27 North, Range 7 West, N.M.P.M.</u>
Section 8: Lots 1—4, S $\frac{1}{2}$ S $\frac{1}{2}$ (All)								Sections 17, 20: E $\frac{1}{2}$
Section 9: Lots 1—4, S $\frac{1}{2}$ S $\frac{1}{2}$ (All)								Sections 2, 15, 18, 22: W $\frac{1}{2}$
Section 10: Lots 1—4, S $\frac{1}{2}$ S $\frac{1}{2}$ (All)								Section 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 16, 19, 21, 29, 30: All
Section 11: Lots 1—4, S $\frac{1}{2}$ S $\frac{1}{2}$ (All)								Section 20: SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$ and E $\frac{1}{2}$
Sections 15, 17, 35: W $\frac{1}{2}$								Section 27: NW $\frac{1}{4}$
Section 18, 19: Lots 1—4, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (All)								Section 28: N $\frac{1}{2}$
Sections 13, 15, 24, 28, 33: E $\frac{1}{2}$								
Sections 22, 27, 34: All								
Section 30: Lots 1—4, E $\frac{1}{2}$ W $\frac{1}{2}$ (W $\frac{1}{2}$)								
Section 31: Lots 1—7, E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$								

Total number of acres in participating area:	20,267.84
Total number of committed acres in participating area:	20,267.84
Percent of basic royalty interest committed:	100.00 %
Percent of working interest committed:	100.00 %
Percent of overriding royalty interest committed:	100.00 %

Twenty-Seven Expanded Participating Area for the Dakota Formation San Juan 28-7 Unit Area, Effective July 1, 1975

Unit Area Expansion Schedule – San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block		Present Actual Participation
					Percentage	Percentage Committed	
NM 03521	T-27-N, R-7-W Section 17: W $\frac{1}{2}$ Section 20: W $\frac{1}{2}$	640.00	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 1</u> 12.500000 % 65.125000 % 22.375000 % 100.000000 %	12.500000 % 65.125000 % 22.375000 % 100.000000 %	<u>2.096571 %</u>
			Total				
NM 03560	T-27-N, R-7-W Section 29: N $\frac{1}{2}$	320.00	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 2</u> 12.500000 % 64.125000 % 23.375000 % 100.000000 %	12.500000 % 64.125000 % 23.375000 % 100.000000 %	<u>1.048290 %</u>
			Total				
NM 03560	T-27-N, R-7-W Section 29: S $\frac{1}{2}$ Section 30: Lots 1-4, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (All)	961.44	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 2-A</u> 12.500000 % 63.125000 % 24.375000 % 100.000000 %	12.500000 % 63.125000 % 24.375000 % 100.000000 %	<u>3.149570 %</u>
			Total				
SF 078417	T-28-N, R-7-W Section 7: S $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 8: S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 16: S $\frac{1}{2}$ Section 17: All Section 18: E $\frac{1}{2}$ Section 20: NE $\frac{1}{4}$ Section 21: N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	2,160.00	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 3</u> 12.500000 % 84.000000 % 3.500000 % 100.000000 %	12.500000 % 84.000000 % 3.500000 % 100.000000 %	<u>7.075928 %</u>
			Total				

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 078417—A	T—28—N, R—7—W	320.00	Royalty: Working Interest: El Paso Production Co.	<u>Tract 4</u>		<u>1.048286 %</u>
	Section 18: E½ NW¼			12.500000 %	12.500000 %	
	Section 22: S½ NW¼, SW¼			73.937500 %	73.937500 %	
			Conoco Inc.	10.562500 %	10.562500 %	
			ORRI:	3.000000 %	3.000000 %	
	<u>Total</u>			<u>100.000000 %</u>	<u>100.000000 %</u>	
SF 078496	T—27—N, R—7—W	491.65	Royalty: Working Interest: Conoco Inc.	<u>Tract 5</u>		<u>1.161059 %</u>
	Section 3: Lots 1, 2, S½ NE¼			12.500000 %	12.500000 %	
	T—28—N, R—7—W		ORRI:	84.000000 %	84.000000 %	
				3.500000 %	3.500000 %	
	Section 35: N½ S½, Lots 1, 2, 3, 4, (S½)		<u>Total</u>	<u>100.000000 %</u>	<u>100.000000 %</u>	
SF 078496	T—27—N, R—7—W	1,198.29	Royalty: Working Interest: Conoco Inc.	<u>Tract 5—A</u>		<u>3.925471 %</u>
	Section 3: Lots 3, 4, S½ NW¼			12.500000 %	12.500000 %	
	Section 5: Lots 1, 2, S½ NE¼ (NE¼)		ORRI:	84.000000 %	84.000000 %	
				3.500000 %	3.500000 %	
	T—28—N, R—7—W		<u>Total</u>	<u>100.000000 %</u>	<u>100.000000 %</u>	
	Section 27: SE¼, E½ NE¼					
	Section 34: Lots 3, 4, N½ SW¼, NW¼ (W½)					
	Section 35: N½ S½, Lots 1, 2, 3, 4, (S½)					
	Section 35: N½					

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block		Present Actual Participation
					Percentage	Percentage Committed	
SF 078496—A	<u>T—27—N, R—7—W</u>	801.83	Royalty: Working Interest: El Paso Production Co. Conoco Inc. ORRI:		<u>Tract 6</u>		<u>2.626709 %</u>
	Section 4: Lots 1, 2, 3, 4, S½ N½				12.500000 %	12.500000 %	
	<u>T—28—N, R—7—W</u>				73.937500 %	73.937500 %	
	Section 26: SW¼				10.562500 %	10.562500 %	
	Section 34: Lots 1, 2, N½ SE¼ NE¼ (E½)				3.000000 %	3.000000 %	
	<u>Total</u>				<u>100.000000 %</u>	<u>100.000000 %</u>	
SF 078497	<u>T—28—N, R—7—W</u>	1,639.56	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 7</u>		<u>5.371023 %</u>
	Section 7: Lots 1—5				12.500000 %	12.500000 %	
	Section 8: Lots 1—4, S½ SE¼				84.000000 %	84.000000 %	
	Section 16: N½				3.500000 %	3.500000 %	
	Section 19: Lot 1, E½ W½, E½				100.000000 %	100.000000 %	
	Section 20: N½ SE¼ Section 29: W½				<u>Total</u>	<u>100.000000 %</u>	
SF 078497—A	<u>T—28—N, R—7—W</u>	844.40	Royalty: Working Interest: El Paso Production Co. Conoco Inc. ORRI:		<u>Tract 8</u>		<u>2.766164 %</u>
	Section 9: Lots 1—4, S½ S½ (All)				12.500000 %	12.500000 %	
	Section 18: Lots 1—4, E½ SW¼				73.171880 %	73.171880 %	
	Section 20: W½				10.453120 %	10.453120 %	
					3.875000 %	3.875000 %	
	<u>Total</u>				<u>100.000000 %</u>	<u>100.000000 %</u>	

Schedule XXXVIII

Twenty – Seventh Expanded Participating Area for the Dakota Formation San Juan 28 – 7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule – San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block		Present Actual Participation
					Percentage	Percentage Committed	
SF 078498	T-28-N, R-7-W	1,988.00	Royalty:		12.500000 %	12.500000 %	<u>6.512475 %</u>
	Section 27: W $\frac{1}{2}$, W $\frac{1}{2}$ NE $\frac{1}{4}$		Working Interest:				
	Section 28: W $\frac{1}{2}$		Conoco Inc.		84.500000 %	84.500000 %	
	Section 29: E $\frac{1}{2}$		ORRI:		3.000000 %	3.000000 %	
	Section 32: Lots 1, 2, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$		Total		100.000000 %	100.000000 %	
SF 078498 – A	T-28-N, R-7-W	515.36	Royalty:		12.500000 %	12.500000 %	<u>1.688264 %</u>
	Section 28: SE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$		Working Interest:				
	Section 32: Lots 3, 4, N $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$		El Paso Production Co.		73.171880 %	73.171880 %	
			Conoco Inc.		10.453120 %	10.453120 %	
			ORRI:		3.875000 %	3.875000 %	
SF 078500 – A	T-28-N, R-7-W	925.36	Royalty:		12.500000 %	12.500000 %	<u>3.031380 %</u>
	Section 19: Lots 2, 3, 4		Working Interest:				
	Section 30: W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$		Conoco Inc.		84.500000 %	84.500000 %	
	Section 31: Lots 1-7, E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$ (All)		ORRI:		3.000000 %	3.000000 %	
			Total		100.000000 %	100.000000 %	
SF 078500	T-28-N, R-7-W	189.30	Royalty:		12.500000 %	12.500000 %	<u>0.620126 %</u>
	Section 30: Lots 1-3, E $\frac{1}{2}$ NW $\frac{1}{4}$		Working Interest:				
			El Paso Production Co.		73.937500 %	73.937500 %	
			Conoco Inc.		10.562500 %	10.562500 %	
			ORRI:		3.000000 %	3.000000 %	
Total					100.000000 %	100.000000 %	

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 078656	<u>T-27-N, R-7-W</u>	320.00	Royalty:	12.500000 %	12.500000 %	<u>1.048286 %</u>
	Section 5: SE 1/4		Working Interest:			
	Section 8: NW 1/4		Conoco Inc.			
			ORRI:			
	<i>Total</i>					
SF 078565-A	<u>T-27-N, R-7-W</u>	320.52	Royalty:	12.500000 %	12.500000 %	<u>1.049989 %</u>
	Section 5: Lots 3, 4, S 1/2 NW 1/4, SW 1/4 (W 1/2)		Working Interest:			
			Koch Exploration			
			Texaco Expl. & Prod. Inc.			
			ORRI:			
SF 078569	<u>T-27-N, R-7-W</u>	320.00	Royalty:	12.500000 %	12.500000 %	<u>1.048286 %</u>
	Section 8: SW 1/4, NE 1/4		Working Interest:			
			El Paso Production Co.			
			ORRI:			
	<i>Total</i>					
SF 078570	<u>T-27-N, R-7-W</u>	640.00	Royalty:	12.500000 %	12.500000 %	<u>2.096571 %</u>
	Section 4: S 1/2		Working Interest:			
	Section 8: SE 1/4		Conoco Inc.			
	Section 9: NW 1/4		ORRI:			
	<i>Total</i>					

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 078640	T-27-N, R-7-W Section 9: SW $\frac{1}{4}$ Section 15: W $\frac{1}{2}$ Section 17: E $\frac{1}{2}$ Section 20: E $\frac{1}{2}$ Section 21: W $\frac{1}{2}$ Section 22: W $\frac{1}{2}$ Section 27: NW $\frac{1}{4}$ Section 28: N $\frac{1}{2}$	2,240.00	Royalty: Working Interest: El Paso Production Co. ORRI:	12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	7.338000 %
Tract 15						
Total						
SF 078835	T-27-N, R-7-W Section 6: Lots 3, 4, 5, 6, 7, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ (W $\frac{1}{2}$) Section 7: E $\frac{1}{2}$	640.20	Royalty: Working Interest: El Paso Production Co. ORRI:	12.500000 % 84.000000 % 3.500000 % 100.000000 %	12.500000 % 84.000000 % 3.500000 % 100.000000 %	2.097227 %
Tract 16						
Total						
SF 078835-A	T-27-N, R-7-W Section 6: Lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ (E $\frac{1}{2}$) Section 7: Lots 1-4, E $\frac{1}{2}$ W $\frac{1}{2}$ (W $\frac{1}{2}$)	640.86	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	2.099389 %
Tract 17						
Total						
SF 078840	T-27-N, R-7-W Section 18: E $\frac{1}{2}$ Section 19: Lots 1-4, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (All)	961.15	Royalty: Working Interest: Conoco Inc. ORRI:	12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	3.148620 %
Tract 18						
Total						

Schedule XXXVIII

Twenty-Seventh Expanded Participating Area for the Dakota Formation San Juan 28-7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block		Present Actual Participation
					Percentage	Percentage Committed	
SF 078840	<u>T-27-N, R-7-W</u> Section 18: Lots 1, 2, E 1/2 NW 1/4	160.21	Royalty: Working Interest: Conoco Inc.		<u>Tract 18-A</u> 12.500000 % 67.500000 % 20.000000 % 100.000000 %	12.500000 % 67.500000 % 20.000000 % 100.000000 %	<u>0.524830 %</u>
	ORRI:						
	<u>Total</u>						
SF 078972	<u>T-27-N, R-7-W</u> Section 3: S 1/2 Section 10: All Section 11: All	1,600.00	Royalty: Working Interest: Conoco Inc.		<u>Tract 19</u> 12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	<u>5.241428 %</u>
	ORRI:						
	<u>Total</u>						
SF 078972-A	<u>T-27-N, R-7-W</u> Section 9: E 1/2	320.00	Royalty: Working Interest: El Paso Production Co. John Lee Turner Mary F. Turner Trust J. Glenn Turner, Jr. Elizabeth Turner Calloway Conoco Inc. Kathleen M. McLane Trust Michael S. McLane Trust Cindy Brady Dawn J. Turnbull Derrick Turnbull Denise Turnbull Williams W. G. Peavy Oil Company Univ. of Texas Law School Found.		<u>Tract 20</u> 12.500000 % 40.000000 % 2.666667 % 2.666667 % 2.666667 % 2.666666 % 6.000000 % 2.222222 % 2.222222 % 2.222222 % 2.222222 % 2.222222 % 2.222223 % 6.666666 % 3.333333 % 7.500000 %	12.500000 % 40.000000 % 2.666667 % 2.666667 % 2.666667 % 2.666666 % 6.000000 % 2.222222 % 2.222222 % 2.222222 % 2.222222 % 2.222222 % 2.222223 % 6.666666 % 3.333333 % 7.500000 %	<u>1.048285 %</u>
	ORRI:						
	<u>Total</u>						

**Twenty--Seventh Expanded Participating Area for the Dakota Formation
San Juan 28--7 Unit Area, Effective July 1, 1975**

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

C:/123R24/TJS0206C/dk

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Present Actual Participation
				Percentage	Percentage Committed	
SF 079290	<u>T-28-N, R-7-W</u> Section 13: E½ Section 23: W½ Section 24: W½ Section 26: N½	1,280.00	Royalty: Working Interest: Conoco Inc. ORRI: Total	12.500000 % 69.500000 % 18.000000 % 100.000000 %	12.500000 % 69.500000 % 18.000000 % 100.000000 %	<u>4.193143 %</u>
SF 079290-A	<u>T-28-N, R-7-W</u> Section 23: E½ Section 24: E½	640.00	Royalty: Working Interest: Koch Exploration Texaco Expl. & Prod. Inc. ORRI: Total	12.500000 % 76.562500 % 10.937500 % 0.000000 % 100.000000 %	12.500000 % 76.562500 % 10.937500 % 0.000000 % 100.000000 %	<u>2.096571 %</u>
SF 079290-B	<u>T-28-N, R-7-W</u> Section 25: NW¼	160.00	Royalty: Working Interest: Conoco Inc. ORRI: Total	12.500000 % 87.500000 % 0.000000 % 100.000000 %	12.500000 % 87.500000 % 0.000000 % 100.000000 %	<u>0.524143 %</u>
SF 079290-A	<u>T-28-N, R-7-W</u> Section 13: W½	320.00	Royalty: Working Interest: El Paso Production Co. D. J. Simmons Co. Ltd. Partnership Helen Louise Simmons June Simmons Lively Mary Jane Simmons Banks Carolee Simmons Smith ORRI: Total	12.500000 % 52.500000 % 26.250000 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 0.000000 % 100.000000 %	12.500000 % 52.500000 % 26.250000 % 2.187500 % 2.187500 % 2.187500 % 2.187500 % 0.000000 % 100.000000 %	<u>1.048285 %</u>

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block	Percentage	Percentage Committed	Present Actual Participation
SF 079290—B	T—28—N, R—7—W Section 25: NE ¼	160.00	Royalty: Working Interest: D. J. Simmons Co. Ltd. Partnership Helen Louise Simmons June Simmons Lively Mary Jane Simmons Banks Carolee Simmons Smith ORRI:		<u>Tract 24—C</u>	12.500000 %	12.500000 %	<u>0.524143 %</u>
						100.000000 %	100.000000 %	
SF 079294	T—28—N, R—7—W Section 25: S ½ Section 26: SE ¼ Section 36: Lots 1, 2, 3, 4, N ½ S ½, N ½ (All)	1,136.88	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 25</u>	12.500000 %	12.500000 %	<u>3.724297 %</u>
						100.000000 %	100.000000 %	
SF 079298—B	T—27—N, R—7—W Section 12: All	640.00	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 26</u>	12.500000 %	12.500000 %	<u>2.096571 %</u>
						100.000000 %	100.000000 %	
SF 079321—A	T—27—N, R—7—W Section 1: Lots 1, 2, 3, 4, S ½ N ½, S ½ (All)	639.20	Royalty: Working Interest: Conoco Inc. ORRI:		<u>Tract 27</u>	12.500000 %	12.500000 %	<u>2.093951 %</u>
						100.000000 %	100.000000 %	

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule — San Juan Basin

Serial Number	Description	Number of Acres	Ownership		Drilling Block		Present Actual Participation
					Percentage	Percentage Committed	
NM E-290-28							
	<u>T-27-N, R-7-W</u>	278.96	Royalty:		<u>Tract 28</u>		0.913843 %
	Section 2: SW $\frac{1}{4}$ SE $\frac{1}{4}$		Working Interest:				
	SW $\frac{1}{4}$, Lots 3 and 4		Union Oil Company of California		12.500000 %	12.500000 %	
			El Paso Production Co.		68.750000 %	68.750000 %	
			ORRI:		13.750000 %	13.750000 %	
					5.000000 %	5.000000 %	
			<i>Total</i>		100.000000 %	100.000000 %	
NM E-290-3							
	<u>T-27-N, R-7-W</u>	119.54	Royalty:		<u>Tract 29</u>		0.391600 %
	Section 2: Lot 2,		Working Interest:				
	SW $\frac{1}{4}$ NE $\frac{1}{4}$,		The Wiser Oil Co.		12.500000 %	12.500000 %	
	NW $\frac{1}{4}$ SE $\frac{1}{4}$		ORRI:		87.500000 %	87.500000 %	
					0.000000 %	0.000000 %	
			<i>Total</i>		100.000000 %	100.000000 %	
NM E-290-28							
	<u>T-27-N, R-7-W</u>	119.58	Royalty:		<u>Tract 30</u>		0.391731 %
	Section 2: Lot 1,		Working Interest:				
	SE $\frac{1}{4}$ NE $\frac{1}{4}$,		Union Oil Company of California		12.500000 %	12.500000 %	
	NE $\frac{1}{4}$ SE $\frac{1}{4}$		El Paso Production Co.		72.916660 %	72.916660 %	
			ORRI:		14.583340 %	14.583340 %	
					0.000000 %	0.000000 %	
			<i>Total</i>		100.000000 %	100.000000 %	
NM E-290-33							
	<u>T-27-N, R-7-W</u>	120.00	Royalty:		<u>Tract 31</u>		0.393107 %
	Section 2: SE $\frac{1}{4}$ SE $\frac{1}{4}$,		Working Interest:				
	S $\frac{1}{2}$ NW $\frac{1}{4}$		El Paso Production Co.		12.500000 %	12.500000 %	
			ORRI:		75.000000 %	75.000000 %	
					12.500000 %	12.500000 %	
			<i>Total</i>		100.000000 %	100.000000 %	

Schedule XXXVIII

Twenty-Seventh Expanded Participating Area for the Dakota Formation San Juan 28-7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block	Percentage	Percentage Committed	Present Actual Participation
NM E-4425-25	T-27-N, R-7-W Section 16: NW¼ NW¼	40.00	Royalty: Working Interest: El Paso Production Co. ORRI:	Tract 32	12.500000 % 83.500000 % 4.000000 % 100.000000 %	12.500000 % 83.500000 % 4.000000 % 100.000000 %	0.131036 %
NM E-4425-48	T-27-N, R-7-W Section 16: NE¼ NW¼	40.00	Royalty: Working Interest: El Paso Production Co. ORRI:	Tract 33	12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	0.131036 %
NM E-4425-46	T-27-N, R-7-W Section 16: SW¼ NW¼	40.00	Royalty: Working Interest: Conoco Inc. ORRI:	Tract 34	12.500000 % 84.500000 % 3.000000 % 100.000000 %	12.500000 % 84.500000 % 3.000000 % 100.000000 %	0.131036 %
NM E-2825-6	T-27-N, R-7-W Section 16: E½, SW¼, SE¼ NW¼	520.00	Royalty: Working Interest: Conoco Inc. ORRI:	Tract 35	12.500000 % 82.500000 % 5.000000 % 100.000000 %	12.500000 % 82.500000 % 5.000000 % 100.000000 %	1.703464 %

Schedule XXXVIII

Twenty-Seventh Expanded Participating Area for the Dakota Formation San Juan 28-7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule - San Juan Basin

Serial Number	Description	Number of Acres	Ownership	Drilling Block		Percentage Committed	Present Actual Participation
					Percentage		
Fee	T-28-N, R-7-W	236.46	Royalty:	<u>Tract 36</u>			
	Section 28: W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$		Working Interest:		12.500000 %	12.500000 %	0.774618 %
			El Paso Production Co.		76.562500 %	76.562500 %	
	Section 30: Lot 4, E $\frac{1}{2}$ SW $\frac{1}{4}$		Conoco Inc.		10.937500 %	10.937500 %	
			ORRI:		0.000000 %	0.000000 %	
	Total				<u>100.000000 %</u>	<u>100.000000 %</u>	
Fee	T-28-N, R-7-W	320.00	Royalty:	<u>Tract 36-A</u>			
	Section 20: S $\frac{1}{2}$ SE $\frac{1}{4}$		Working Interest:		12.500000 %	12.500000 %	1.048285 %
	Section 21: SW $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$		Conoco Inc.		87.500000 %	87.500000 %	
			ORRI:		0.000000 %	0.000000 %	
	Section 30: SE $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$		Total		<u>100.000000 %</u>	<u>100.000000 %</u>	

Schedule XXXVIII

Twenty—Seventh Expanded Participating Area for the Dakota Formation San Juan 28—7 Unit Area, Effective July 1, 1975

Conoco Inc.
Unit Area Expansion Schedule -- San Juan Basin

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 7 West, N.M.P.M.							Township 28 North, Range 7 West, N.M.P.M.						
Section 1: All		Section 15: W½					Section 7: All		Section 22: All				
Section 2: All		Section 16: All					Section 8: All		Section 23: All				
Section 3: All		Section 17: All					Section 9: All		Section 24: All				
Section 4: All		Section 18: E½, NW¼					Section 10: All		Section 25: All				
Section 5: All		Section 19: All					Section 11: All		Section 26: All				
Section 6: All		Section 20: All					Section 12: All		Section 27: All				
Section 7: All		Section 21: W½					Section 13: All		Section 28: All				
Section 8: All		Section 22: W½					Section 14: All		Section 29: All				
Section 9: All		Section 27: NW¼					Section 15: All		Section 30: All				
Section 10: All		Section 28: N½					Section 16: All		Section 31: All				
Section 11: All		Section 29: All					Section 17: All		Section 32: All				
Section 12: All		Section 30: All					Section 18: All		Section 33: All				
							Section 19: All		Section 34: All				
							Section 20: All		Section 35: All				
							Section 21: All		Section 36: All				

Total number of proven acres:	30,526.03
Total number of committed acres in participating area:	30,526.03
Percent of basic royalty interest committed:	100.00 %
Percent of working interest committed:	100.00 %
Percent of overriding royalty interest committed:	100.00 %



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

July 7, 1995

San Juan 28-7 (MV PA)
San Juan 28-7 (DK PA)
3162.7-3 (07327)

Mr. Jerry W. Hoover
Sr. Conservation Coordinator
Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

RE: San Juan 28-7 Unit
Application for Approval
Unit-wide Downhole Commingling
Mesaverde and Dakota Formations
Rio Arriba County, New Mexico

Dear Mr. Hoover:

The Farmington District Office (FDO) of the Bureau of Land Management (BLM) has received your letter dated June 22, 1995, for downhole commingling of the Blanco Mesaverde (MV) and Basin Dakota (DK) Formations in the above referenced unit.

In your application you have outlined allocation for the existing DK wells that will be completed in the MV formation and for the new MV-DK completions. In the existing wells, mid-year projections for DK production will be used to determine the allocated production for each formation. In the new wells, approximately three (3) months of production data from each producing zone will be used in establishing allocated production for each zone.

The methods you have proposed have been reviewed and approval of your application is hereby granted. A condition of this approval, is that an allocation formula is submitted for each well. When submitting individual well allocation factors, please reference this approval.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

We appreciate the opportunity to work with Conoco Inc. on a cooperative approach to solving a otherwise time consuming and complicated project. It is efforts such as these that will hopefully expedite future applications and projects.

If you have further questions regarding this matter, please contact Brian W. Davis at (505) 599-6367 or (505) 599-8900.

Sincerely,

~~for Duane Spencer~~

Duane W. Spencer
Chief, Branch of Reservoir Management

ENCLOSURE

1 - Application

cc:

Tom Scarbrough, Conoco, Midland w/o encl
Matt Stanley, Conoco, Midland w/o encl

bcc:

NMOCD w/o encl

San Juan Division
Albuquerque, NM
35 APR 1995 PM 6 52

San Juan 28-7 Unit (FR PA)
3185.5 (07327)

APR 4 1995

Ms. Julie Talbot Jenkins
Amoco Production Company
P.O. Box 800
Denver, CO 80201

Dear Ms. Jenkins:

We have concluded our review of your application for the Fourth Revision to the Fruitland Participating Area in the San Juan 28-7 Unit. The application seeks to add the following acreage to the existing Participating Area for the purpose of initiating enhanced recovery of methane gas through injection of nitrogen into Fruitland coal seams:

Acreage	Fruitland Well
Sec. 13, W½, T. 28 N., R. 7 W. (320 acres)	No. 417 San Juan 28-7 Unit
Sec. 14, W½, T. 28 N., R. 7 W. (320 acres)	No. 414 San Juan 28-7 Unit
Sec. 15, E½, T. 28 N., R. 7 W. (320 acres)	No. 404 San Juan 28-7 Unit
Sec. 22, E½, T. 28 N., R. 7 W. (320 acres)	No. 427 San Juan 28-7 Unit

We concur with your determination that the inclusion of said lands is necessary to conduct enhanced recovery operations in the Fruitland Participating Area. Your application is approved effective February 1, 1995 with the following stipulations:

1. Injection pressure not to exceed 1650 PSI or "closure pressure" whichever is greater.
2. If well No. 427 is used for injection, Application to revise the PA to include the W½ of Sec. 22 must be submitted to the Bureau of Land Management (BLM) for approval within 30 days of commencing injection.
3. Fruitland Coal wells located outside the PA boundaries will be monitored for response to nitrogen injection. Should response be indicated, interference testing will be conducted to confirm or deny that changes in production are the result of the enhanced recovery project. The PA shall be revised to include lands which respond to the project within a reasonable time.
4. Pictured Cliffs wells in the immediate area shall be closely monitored for apparent response to the project. If response is noted, details of the response shall be reported to the BLM via Sundry notice for determination if Federal Royalties are adversely affected by the communication between zones.

Please report production from Fruitland wells located on the acreage added by this Fourth Revision on 891000459D.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions regarding this correspondence, please contact Ray Hager at (505) 599-6366.

Sincerely,

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

1 Enclosure:

1 - Approved Exhibit B

cc:

MMS, RMP, MS-3240, Denver, CO (w/ enclosure)

Commissioner of Public Lands, Santa Fe, NM (w/o enclosure)

New Mexico Oil Conservation Division, Santa Fe, NM (w/o enclosure) ✓



Tom Scarbrough
Senior Landman
Midland Division
Exploration Production
North America

OIL CONSERVATION DIVISION
RECEIVED
1995 APR 14 PM 8 52

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500
BUS. (915) 686-5411
FAX (915) 686-5596

#445

March 27, 1995

Bureau of Land Management (3)
Farmington Resource Area
1235 LaPlata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands (2)
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501-1148

Oil Conservation Division (2)
State of New Mexico
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: San Juan 28-7 Unit; No. 14-08-001-459
Rio Arriba County, New Mexico
1995 Plan of Development

Gentlemen:

By letters dated January 14, 1994, and April 15, 1994 (Revision), Amoco Production Company, as Unit Operator for the referenced Unit, filed the Plan of Development (POD) for the calendar year 1994. The Plan of Development called for the drilling of seven (7) Mesaverde/Dakota dual wells (No. 128M, No. 133M, No. 135M, No. 181M, No. 193M, No. 220M and No. 221M) which were all drilled. In addition, Amoco drilled the No. 238R (DK) which was a carryover well from the 1993 Plan of Development.

The Unit currently consists of the following Participating Areas:

FORMATION	EXPANSION	EFFECTIVE DATE
Pictured Cliffs	32nd	6-1-81
Chacra	9th	3-1-84
Mesaverde	38th	8-1-80
Dakota	27th	7-1-75

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, Conoco Inc., as Successor Unit Operator to Amoco Production Company as to all formations save and except the Fruitland, hereby submits the following program for the 1995 Plan of Development:

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
March 27, 1995
Page 2

WELL NUMBER	LOCATION	FORMATION
SJ 28-7 No. 257E	E½-19-T28N-R7W	Recomplete to MV & Commingle with existing DK
SJ 28-7 No. 233	W½-14-T28N-R7W	Recomplete to MV & Commingle with existing DK
SJ 28-7 No. 231	W½-16-T28N-R7W	Recomplete to MV & Commingle with existing DK
SJ 28-7 No. 195	E½-16-T28N-R7W	Recomplete to MV & Commingle with existing DK
SJ 28-7 No. 194E	E½-21-T28N-R7W	Recomplete to MV & Commingle with existing DK
SJ 28-7 No. 192	W½-33-T28N-R7W	Recomplete to MV & Commingle with existing DK
SJ 28-7 No. 191	E½-33-T28N-R7W	Recomplete to MV & Commingle with existing DK
SJ 28-7 No. 259M	W½-24-T28N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 230M	E½-29-T28N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 225M	E½-34-T28N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 222M	W½-25-T28N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 183M	E½-1-T27N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 182M	E½-3-T27N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 156M	E½-10-T27N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 132M	W½-15-T27N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 131M	W½-34-T28N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 130M	W½-2-T27N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 125M	W½-12-T27N-R7W	D&E DK/MV Commingle
SJ 28-7 No. 124M	W½-11-T27N-R7W	D&E DK/MV Commingle

Each of the above well proposals fall within the current Mesaverde or Dakota Participating Areas.

The working interest owners are being contacted regarding the Plan of Development. Conoco Inc. and the working interest owners believe that all current obligations have been satisfied.

Conoco Inc., as Unit Operator to all formations save and except the Fruitland, 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.

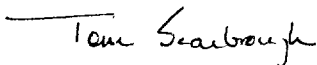
In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided below and return one copy to the undersigned.

Should you have any questions regarding this proposal, please contact Tom Scarbrough at (915) 686-5411.

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

Yours very truly,

CONOCO INC.



Tom Scarbrough

Attachment

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
March 27, 1995
Page 3

1995 PLAN OF DEVELOPMENT

Bureau of Land Management

Date

New Mexico Commissioner of Public Lands

Date



New Mexico Oil Conservation Division

3/30/95
Date

WORKING INTEREST OWNERS
San Juan 28-7 Unit

Amoco Production Company
P.O. Box 800
Denver, CO 80201

Meridian Oil Inc.
Attn: Land
P.O. Box 4289
Farmington, NM 87499-4289

Texaco Exploration & Production, Inc.
Attn: Gary E. Cox
P.O. Box 2100
Denver, CO 80201

Koch Exploration
Attn: R. J. Miller
P.O. Box 2256
Wichita, KS 67201-2256

W. G. Peavy Oil Company
P.O. Box 5667
Richardson, TX 75083

The Wiser Oil Company
8115 Preston Road, #400
Dallas, TX 75225-6311

Union Oil of California
Attn: Corbett J. Duhon, Jr.
Central U.S. Business Unit
P.O. Box 4551
Houston, TX 77210-4551

University of Texas
Law School Foundation
Attn: J. McLaughlin
727 East 26th Street
Austin, TX 78705-3224

Mary F. Turner Trust N° 6743
Texas Commerce Trust Co., NA
P.O. Box 951412
Dallas, TX 75395-1412

Kathleen McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Michael S. McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Thelma Ford Simmons Estate
% D. J. Simmons Company
P.O. Box 1469
Farmington, NM 87499-1469

Dawn J. Turnbull
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Elizabeth J. Turner-Calloway
4801 Saint Johns Drive
Dallas, TX 75205-3143

J. Glenn Turner, Jr.
3131 Turtle Creek Blvd.
Suite 1201
Dallas, TX 75219-5441

John Lee Turner
P.O. Box 797215
Dallas, TX 75379-7215

Cindy Brady
2222 Flat Creek
Richardson, TX 75080-2332

Denise Turnbull Williams
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Derrick Turnbull
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76012-4941

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952

Conoco Inc.
Attn: Tom Scarbrough
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

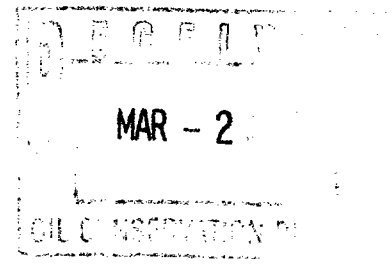


State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

RAY POWELL, M.S., D.V.M.
COMMISSIONER



(505) 827-5760
FAX (505) 827-5766

March 2, 1995

Conoco Inc.
10 Desta Drive
Suite 100W
Midland, Texas 79705-4500

Attention: Mr. Tom Scarbrough

Re: Resignation/Designation of Successor Unit Operator
San Juan 28-7 Unit
Rio Arriba County, New Mexico

Dear Mr. Scarbrough:

This office is in receipt of a resignation/designation of successor unit operator, wherein Amoco Production Company has resigned as unit operator of the San Juan 28-7 Unit and designated Conoco Inc. as the successor unit operator.

The Commissioner of Public Lands has this date approved the resignation of Amoco Production Company and the designation of Conoco Inc. as the successor unit operator of this unit. This change in operators is effective March 1, 1995. In accordance with this approval, Conoco Inc. is now responsible for all operations and the reporting of all production from the San Juan 28-7 Unit as to all formations, save and except the Fruitland formation. It is our understanding that Amoco Production Company as a designated agent to Conoco Inc., will operate all Fruitland wells on behalf of Conoco Inc. within the unit. Our approval is subject to like approval by the Bureau of Land Management.

Conoco Inc.
Page 2
March 2, 1995

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY: 

JAMES B. LEWIS, Director
Oil/Gas and Minerals Division
(505) 827-5744

RP/JBL/cpm

Enclosure

cc: Reader File

OCD-Roy Johnson

TRD

BLM-Farmington



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

**San Juan 28-7 Unit (UA)
3182 (07327)**

March 1, 1995

**Conoco Inc.
Mr. Tom Scarbrough
10 Desta Drive, Suite 100W
Midland, TX 79705-4500**

Dear Mr. Scarbrough:

On March 1, 1995, we received a Self-Certification statement whereby Amoco Production Company resigned as Unit Operator of all formations, except the Fruitland formation, and Conoco Inc was designated as Successor Unit Operator in the San Juan 28-7 Unit.

The instrument is hereby approved, effective March 1, 1995. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approvals that would entitle it to conduct operations under the San Juan 28-7 Unit Agreement. Amoco Production Company will remain as unit operator of the Fruitland formation only and Conoco will be the unit operator for all other formations.

Nationwide Bond No. 80151669 (ES0085) will be used to cover unit operations for Conoco Inc..

It is requested that you notify all interested parties of these change. Copies of the approved instruments are being distributed to the appropriate Federal offices, with one copy returned herewith.

If you have any questions, please contact Duane Spencer at the above address or telephone (505) 599-6355.

Sincerely,

**Duane W. Spencer
Chief, Branch of Reservoir Management**

**Enclosure-1
1-Approved SO**

DESIGNATION OF SUCCESSOR UNIT OPERATOR

THIS AGREEMENT is entered into by and between Amoco Production Company, Conoco Inc. and the owners of unitized working interests, hereinafter designated individually as "Non-Operator" and collectively as "Non-Operators";

WITNESSETH, THAT:

WHEREAS, under the provisions of U.S. act of February 25, 1920, 41 Stat. 437, 30 U.S.C. secs 181 et seq., as amended by the act of August 8, 1946, 60 Stat. 930, the Secretary of the Interior or his designated representative has approved the Unit Agreement dated November 18, 1952 for the Development and Operation of the San Juan 28-7 Unit Area, Rio Arriba County, New Mexico ("Unit").

WHEREAS, the undersigned are parties to that certain Unit Operating Agreement dated November 21, 1952, covering the Unit;

WHEREAS, Amoco Production Company is designated as Unit Operator under the terms of said Unit Agreement and Unit Operating Agreement; and

WHEREAS, Amoco Production Company has, heretofore, resigned as such Unit Operator as to all formations, save and except the Fruitland formation, and the designation of a successor Unit Operator is required pursuant to the terms of said Unit Agreement and Unit Operating Agreement; and

WHEREAS, by the requisite working interest majority, Conoco Inc. has been and hereby is designated as Unit Operator for all Unit formations save and except the Fruitland formation and Conoco Inc. desires to assume all the rights, duties, and obligations of Unit Operator in said formations under the said Unit Agreement and Unit Operating Agreement.

NOW, THEREFORE, in consideration of the promises and of the covenants herein contained, Conoco Inc. hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator as to all formations, save and except the Fruitland formation, under and pursuant to all of the terms of said Unit Agreement and Unit Operating Agreement, and Non-Operators covenant and agree that, effective upon approval of this Agreement by the Director of the Bureau of Land Management or his designated representative, Conoco Inc. shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Unit Operator as to all formations, save and except the Fruitland formation, pursuant to the terms and conditions of said Unit Agreement and Unit Operating Agreement; said Unit Agreement and Unit Operating Agreement, as it may have been heretofore amended, being hereby incorporated herein by reference and made a part hereof as fully and effectively as though said Unit Agreement and Unit Operating Agreement were expressly set forth in this instrument.

THIS INSTRUMENT may be executed in any number of counterparts, each of which shall be considered an original for all purposes, or may be ratified or consented to by separate instrument in writing specifically referring hereto.

IN WITNESS WHEREOF, this Agreement is executed effective the 1st day of March, 1995.

CONOCO INC.
SUCCESSOR UNIT OPERATOR,
as to all formations save and except the Fruitland

By: _____
Name: _____
Attorney-in-Fact

AMOCO PRODUCTION COMPANY
OPERATOR, Fruitland formation only

By: _____
Name: _____
Its: _____

NON-OPERATORS:

MERIDIAN OIL, INC.

By: _____
Name: _____
Its: _____

TEXACO EXPLORATION PRODUCTION, INC.

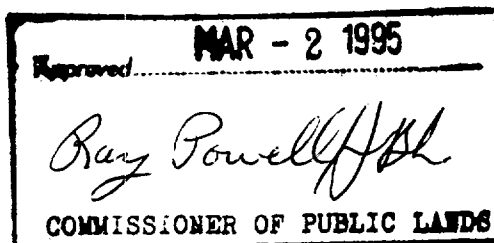
By: _____
Name: _____
Its: _____

KUCH EXPLORATION

By: _____
Name: _____
Its: _____

W. L. PEAVY OIL COMPANY

By: _____
Name: _____
Its: _____





Midland Division
Exploration Production

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500
(915) 686-5400

March 1, 1995

**SELF CERTIFICATION FOR
DESIGNATION OF SUCCESSOR OPERATOR
SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO**

Conoco Inc. has succeeded Amoco Production Company as operator, effective March 1, 1995, for the following described property:

UNIT NAME: San Juan 28-7 Unit, as to all formations, save and except the Fruitland formation.

DESCRIPTION: Sections 7 through 36, T28N-R7W, and Sections 1 through 12, 15 through 22, and 27 through 30, T27N-R7W, Rio Arriba County, New Mexico.

Conoco Inc. certifies that the requisite majority of working interest owners have received and approved the Designation of Successor Operator for the San Juan 28-7 Unit. Conoco Inc. further certifies that it is in compliance with all known agreements associated with the San Juan 28-7 Unit.

Conoco Inc. is bonded through **Federal Insurance Company** by **Bond No. 81405933**.

We thank you for your cooperation in this matter.

80151664 Dms 3/1/95

Yours very truly,

CONOCO INC.

By:



TJS

Name:

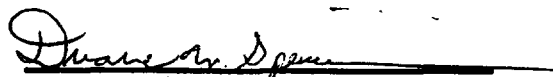
R.E. Ireland



Attorney-in-Fact

APPROVED

3/1/95
Date


Duane W. Spencer
Chief, Br. Reservoir Management
BLM, Farmington District

Tom Scarbrough
Senior Landman
Midland Division
Exploration Production

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500
(915) 686-5411

#445

March 1, 1995

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
Attn: Mr. Duane Spencer
1235 LaPlata Highway
Farmington, New Mexico 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

**RE: SAN JUAN 28-7 UNIT
Change of Operator from Amoco
Production Company to Conoco Inc.
Rio Arriba County, New Mexico**

Gentlemen:

On February 28, 1995 Conoco Inc. acquired certain leasehold interests in the San Juan 28-7 Unit from Amoco Production Company, pursuant to that certain Exchange Agreement between Conoco Inc. and Amoco Production Company dated December 30, 1994. Amoco Production Company has resigned as operator of the San Juan 28-7 Unit as to all formations, save and except the Fruitland formation.

By letter dated January 9, 1995, Amoco Production Company balloted the Working Interest Owners of the San Juan 28-7 Unit requesting that they cast their vote for successor operator. The results of said ballot electing Conoco Inc. as successor operator of the Unit as to all formations, save and except the Fruitland formation, are tabulated in Exhibit "A" attached hereto.

Enclosed herewith are one original and two photocopies of Designation of Successor Unit Operator signed by Conoco Inc. and Amoco Production Company. Also enclosed is a copy of Amoco Production Company's resignation letter dated January 9, 1995, and Conoco Inc.'s Self Certification Letter dated March 1, 1995.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission
March 1, 1995
Page 2

Conoco Inc. respectfully requests that you approve the change of operator, effective March 1, 1995 of the San Juan 28-7 Unit as to all formations, save and except the Fruitland formation, to Conoco Inc. Please evidence your approval by signing in the space provided on the attached page and return one copy of this letter to the undersigned at your earliest convenience.

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

Respectfully submitted,

CONOCO INC.

A handwritten signature in black ink, appearing to read "Tom Scarbrough". The signature is fluid and cursive, with a long horizontal stroke at the beginning.

Tom Scarbrough

Enclosures

cc: Working Interest Owners

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission
March 1, 1995
Page 3

Post-it® Fax Note 7671		Date	# of pages 1
To TOM SCARBROUGH		From ROY JOHNSON	
Co./Dept.		Co.	
Phone #		Phone #	
Fax #		Fax #	

Approved: _____
Assistant Director Manager, Minerals
Bureau of Land Management
*Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission*

Date: _____

Approval: _____
Commissioner of Public Lands
*Subject to like approval by the Area
Oil and Gas Supervisor and the Oil
Conservation Commission*

Date: _____

Approval:  _____
Oil Conservation Commission
*Subject to like approval by the Area
Oil and Gas Supervisor and the
Commissioner of Public Lands*

Date: 3-20-95

The foregoing approvals are for the change of Operator from Amoco Production Company to Conoco Inc. for the San Juan 28-7 Unit as to all formations, save and except the Fruitland formation, Rio Arriba County, New Mexico.

**WORKING INTEREST OWNERS
San Juan 28-7 Unit**

March 1, 1995

Amoco Production Company
P.O. Box 800
Denver, CO 80201

Meridian Oil Inc.
Attn: Joint Interest Engineers
P.O. Box 4289
Farmington, NM 87499-4289

Texaco Exploration Production, Inc.
Attn: Land Department
P.O. Box 3109
Midland, TX 79702

Koch Exploration
Attn: R. J. Miller
P.O. Box 2256
Wichita, KS 67201-2256

W. G. Peavy Oil Company
P.O. Box 5567
Richardson, TX 75083

The Wiser Oil Company
8115 Preston Road, #400
Dallas, TX 75225-6311

Union Oil of California
Attn: Corbett J. Duhon, Jr.
Central U.S. Business Unit
P.O. Box 4551
Houston, TX 77210-4551

University of Texas
Law School Foundation
Attn: J. McLaughlin
727 East 26th Street
Austin, TX 78705-3224

Mary F. Turner Trust N^o 6743
Texas Commerce Trust Co., NA
P.O. Box 951412
Dallas, TX 75395-1412

Kathleen McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Michael S. McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Thelma Ford Simmons Estate
% D. J. Simmons Company
P.O. Box 1469
Farmington, NM 87499-1469

Dawn J. Turnbull
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Elizabeth J. Turner-Calloway
4801 Saint Johns Drive
Dallas, TX 75205-3143

J. Glenn Turner, Jr.
3131 Turtle Creek Blvd.
Suite 1201
Dallas, TX 75219-5441

John Lee Turner
P.O. Box 797215
Dallas, TX 75379-7215

Cindy Brady
2222 Flat Creek
Richardson, TX 75080-2332

Denise Turnbull Williams
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Derrick Turnbull
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76012-4941

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952

Conoco Inc.
Attn: Tom Scarbrough
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

EXHIBIT "A"

WORKING INTEREST OWNER	CHACRA PARTICIPATION AREA PERCENT APPROVED	PICTURED CLIFFS PARTICIPATION AREA PERCENT APPROVED	MESAVERDE PARTICIPATION AREA PERCENT APPROVED	DAKOTA PARTICIPATION AREA PERCENT APPROVED
Amoco Production Company	22.3999	26.7666	30.5398	29.3491
Meridian Oil Inc.				
Texaco Exploration & Production, Inc.	-	-	-	0.6443
Koch Exploration	-	-	-	4.5098
W. G. Peavy Oil Company				
The Wiser Oil Company	-	-	0.4772	0.3916
Union Oil of California				
University of Texas Law School Foundation				
Mary F. Turner Trust No. 6743				
Kathleen McLane Trust	-	-	-	0.0291
Michael S. McLane Trust	-	-	-	0.0291
Thelma Ford Simmons Estate	-	1.8543	2.6502	1.3365
Dawn J. Turnbull Trust				
Elizabeth J. Turner-Calloway				
J. Glenn Turner, Jr.				
John Lee Turner				
Cindy Brady				
Denise Turnbull Williams				
Derrick Turnbull				
Mary Jeanne Simmons Banks	-	0.0154	0.0220	0.0111
Helen Louise Simmons	-	0.0154	0.0220	0.0111
June Simmons Lively	-	0.0154	0.0220	0.0111
Carolee Simmons Smith	-	0.0154	0.0220	0.0111
Conoco Inc.	25.3264	27.8060	33.3240	39.6887
Totals	47.7263	56.4885	67.0792	76.0226

RECEIVED - DIVISION
195 MAR 5 11 8 52
San Juan 28-7 Unit (UA)
3182 (07327)

March 1, 1995

Conoco Inc.
Mr. Tom Scarbrough
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

Dear Mr. Scarbrough:

On March 1, 1995, we received a Self-Certification statement whereby Amoco Production Company resigned as Unit Operator of all formations, except the Fruitland formation, and Conoco Inc was designated as Successor Unit Operator in the San Juan 28-7 Unit.

The instrument is hereby approved, effective March 1, 1995. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approvals that would entitle it to conduct operations under the San Juan 28-7 Unit Agreement. Amoco Production Company will remain as unit operator of the Fruitland formation only and Conoco will be the unit operator for all other formations.

Nationwide Bond No. 80151669 (ES0085) will be used to cover unit operations for Conoco Inc..

It is requested that you notify all interested parties of these change. Copies of the approved instruments are being distributed to the appropriate Federal offices, with one copy returned herewith.

If you have any questions, please contact Duane Spencer at the above address or telephone (505) 599-6355.

Sincerely,

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

Enclosure-1
1-Approved SO

cc:
Unit file (NM 78413X) w/encl.
Comm. P.L.
NMOCD (Santa Fe) ✓
Airs
DOM Reader
McDougall (ALMRS)
07327:Dspencer:ds:1/30/95



FILE

July 14, 1994

Southern

Rockies

Business

Unit

State of New Mexico
Commissioner of Public Lands
310 Old Santa Fe Trail
P.O. Box 1148
Santa Fe, NM 87504-1148
Attn: Floyd O. Prando
Director, Oil/Gas and Minerals, Division

Re: San Juan 28-7 Unit
Expansion of Participating Area for the Fruitland Coal Formation
Rio Arriba County, New Mexico

As requested in your letter of June 16, 1994, please find attached a copy of the exhibit booklet from the NMOCD Hearing as well as a copy of the approved Order for the San Juan 28-7 Unit Nitrogen Injection Project.

In your letter you expressed concern about the possible Fruitland Coal PA drainage from the San Juan 28-7 Unit #402 and San Juan 28-7 Unit #413. Because these two drill blocks are not in the project area, as defined in NMOCD Rule 701, Section G-3, they were not included in our enhanced coalbed methane project area. Subsequently, we did not petition for their admittance into the PA, as outlined in our letter to the Bureau of Land Management of May 31, 1994. It is our intent, as Unit Operator, to expand the Fruitland Coal PA to include these drill blocks if the wells begin to show an increased production rate as a result of enhanced coalbed methane recovery techniques.

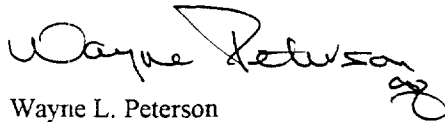
Additionally, you expressed concern about the possible drainage from the W/2 of Section 22, T28N, R07W. In our project proposal, the well to be drilled in the W/2 of Section 22 (the location of our proposed San Juan 28-7 Unit #427) was defined as a swing well. In the event that we cannot inject our full capacity of nitrogen in the two injection wells in the W/2 of Section 14 (the location of our proposed San Juan 28-7 Unit #414) and the E/2 of Section 23 (the location of our proposed San Juan 28-7 Unit #428), we will use the San Juan 28-7 Unit #427 as an injection well. Otherwise, we will produce the well and no drainage should occur from the W/2 of Section 22, T28N-R07W.

In the event that the San Juan 28-7 #427 is used as an injection well, we do not feel that during the length of this injection project the San Juan 28-7 Unit #409 will see a substantial increase in production due to ECBM techniques, because of it's distance from the injection well. If the San Juan 28-7 #409 should see an increase in production resulting from ECBM, it may be possible that the well is being impacted by the drainage of non-Fruitland Coal PA lands. If this unlikely situation transpires, and if it was determined that drainage of the W/2 of Section 22 was occurring, Amoco would petition for the drill block to be brought into the Fruitland Coal PA.

July 14, 1994
Page 2 of 2

If you have any questions or need additional information, please contact Cristina Zogorski at (303) 830-4118.

Sincerely,

A handwritten signature in black ink that reads "Wayne Peterson" with a stylized flourish at the end.

Wayne L. Peterson
Resource Manager

WLP/caz

Attachments (2)

cc: Fruitland Coal Working Interest Owners
 Bureau of Land Management
 Oil Conservation Commission
 Fruitland Coal Study Team
 Bill Hawkins, Denver
 Julie Talbot, Denver

OIL CONSERVATION DIVISION
RECEIVED
1994 JUN 30 AM 8 50

San Juan 28-7 Unit (PA)
3180 (07327)

JUN 29 1994

Ms. Julie Talbot
Amoco Production Company
P. O. Box 800
Denver, CO 80201

Dear Ms. Talbot:

Your letter dated May 31, 1994, requested this office to confirm our requirements for revision of the San Juan 28-7 Unit Fruitland Participating Area (PA) to include lands necessary for unit operations.

Previous Amoco pilot projects have demonstrated that nitrogen injection does result in increased methane recovery from coal seams. Amoco has proposed drilling three nitrogen injection wells in the unit, with two of the injection wells located outside the Fruitland PA. Amoco has proposed that upon successful completion of the injection wells, the Fruitland PA be revised to include the W½ Section 14, E½ Section 22, W½ Section 13, and the E½ of Section 15 as lands necessary for unit operations.

The regulations support the revision of a PA to include lands necessary for unit operations. This has been supported by Interior Board of Land Appeals (IBLA) decision 100 IBLA 157. In this decision, IBLA ruled that a PA can be revised to include lands necessary for unit operations, but that the Bureau of Land Management's record must contain technical evidence to support the revision.

Amoco submitted a number of exhibits in support of their proposal. Our review of their geologic data supports Amoco's conclusion that geologically, there is Fruitland coal continuity throughout the area Amoco has proposed to include in the PA. Geologically, there are no faults or barriers to restrict movement of the injected nitrogen. Our engineering review also supports the conclusion that nitrogen injection resulted in increased methane production from the Amoco pilot project. We concur that revision of the Fruitland PA to include the injection wells and immediately offsetting producing wells is necessary to increase methane recovery, protect correlative rights, and prevent drainage of unitized substances.

A revision to the Fruitland PA can be submitted upon completion of the nitrogen injection wells. Geologic data demonstrating Fruitland continuity of the injection wells with the existing PA must be submitted. Geologic data should include cleat orientation data if available. Engineering data should include a step rate injectivity test demonstrating that injection pressures will not exceed closure pressure. Pressure data such as current reservoir pressure, proposed injection pressures, etc. should also be submitted. In addition, please submit the factors you considered in selection of injection well locations and proof that an approved UIC permit has been obtained, or an application filed.

If you have any questions concerning this matter, please call Duane Spencer at (505) 599-6350.

Sincerely,

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

cc:

NMOCD, Santa Fe, NM

Commissioner of Public Lands, Santa Fe, NM



RECEIVED
DIVISION
APR 20 1994

1994 APR 20 PM 8 50

Southern

Rockies

Business

Unit

April 15, 1994

New Mexico State Land Office
Oil and Gas Development
P.O. Box 1148
Santa Fe, NM 87301-1148

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attn: Mr. John L. Keller

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87504-2008

File: PMM-047-416

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1994 Revised Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1994 Revised Plan of Development. The plan proposes the additional drilling of two dual Mesaverde and Dakota wells.

Due to the timing of this proposal, all affected Working Interest Owners (see attachment) are being contacted in concurrence with this proposal.

If this Revised Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company, at the address below, to Julie Acevedo.

If you should have any questions regarding this letter, or need additional information, please contact me at (303)830-5708.

Sincerely,

Lara J. Kwartin

Lara J. Kwartin
Petroleum Engineer

LJK/alc

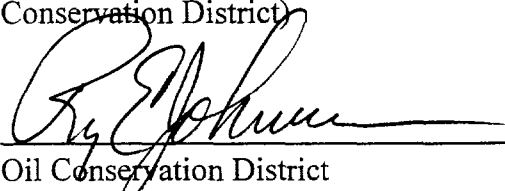
cc: San Juan 28-7 Unit Working Interest Owners

Attachments

San Juan 28-7 Unit
Rio Arriba County, New Mexico
1994 Revised Plan of Development

APPROVED: _____ Dated: _____
Bureau of Land Management
(Subject to like approval by the Commissioner of Public Lands and the Oil
Conservation District)

APPROVED: _____ Dated: _____
Commissioner of Public Lands
(Subject to like approval by the Bureau of Land Management and the Oil
Conservation District)

APPROVED:  _____ Dated: 7/21/94
Oil Conservation District
(Subject to like approval by the Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals are for the 1994 Plan of Development for the San Juan 28-7 Unit, Rio Arriba County, New Mexico.

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1994 Revised Plan of Development

The following wells are proposed for drilling during the 1994 calendar year:

<u>Well</u>	<u>Location</u>	<u>Target</u>
San Juan 28-7 #35M	NW/4 Sec. 27 T28N-R7W	Mesaverde and Dakota
San Juan 28-7 #128M	SE/4 Sec. 12 T27N-R7W	Mesaverde and Dakota

The following wells, approved earlier this year, will also be drilled during the 1994 calendar year:

<u>Well</u>	<u>Location</u>	<u>Target</u>
Ref#10126	SE/4 Sec. 35 T28N-R7W	Mesaverde and Dakota
Ref#10129	NW/2 Sec. 22 T28N-R7W	Mesaverde and Dakota

The following wells, approved earlier this year, will NOT be drilled during the 1994 calendar year:

<u>Well</u>	<u>Location</u>	<u>Target</u>
Ref#10112	NW/4 Sec. 26 T28N-R7W	Pictured Cliffs, Mesaverde and Dakota
Ref#10131	SE/2 Sec. 22 T28N-R7W	Pictured Cliffs, Mesaverde and Dakota
Ref#10144	SE/4 Sec. 1 T27N-R7W	Pictured Cliffs, Mesaverde and Dakota
Ref#20104	NW/4 Sec. 12 T27N-R7W	Pictured Cliffs, Mesaverde and Dakota
Ref# ?	SE/4 Sec. 34 T28N-R7W	Mesaverde and Dakota
Ref#20085	NW/4 Sec. 34 T28N-R7W	Mesaverde and Dakota
Ref# ?	NW/4 Sec. 2 T27N-R7W	Mesaverde and Dakota

Amoco Production Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other well subsequently deemed necessary or desirable by the Unit Operator and the Working Interest Owners

SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO

ADDRESS LIST
April 15, 1994

CONOCO INC
10 DESTA DRIVE
SUITE 100W
MIDLAND TX 79705-4515
ATTN NEW MEXICO JIB'S

TEXACO E. & P. INC
P O BOX 3109
MIDLAND TX 79702
ATTN LAND DEPARTMENT

MERIDIAN OIL INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499-4289
ATTN JOINT INTEREST ENGINEERS

ELIZABETH J TURNER-CALLOWAY
4801 SAINT JOHNS DRIVE
DALLAS TX 75205-3143

J GLENN TURNER JR
3131 TURTLE CREEK BLVD
SUITE 1201
DALLAS TX 75219-5441

THELMA FORD SIMMONS ESTATE
C/o DJ SIMMONS COMPANY
P O BOX 1469
FARMINGTON NM 87499-1469

W G PEAVY OIL COMPANY
P O BOX 5667
RICHARDSON TX 75083

J MCLAUGHLIN
UNIV OF TX LAW SCHOOL FOUNDATION
727 EAST 26TH STREET
AUSTIN TX 78705-3224

THE WISER OIL COMPANY
8115 PRESTON RD STE 400
DALLAS TX 75225-6311

UNION OIL OF CALIFORNIA
P O BOX 4551
HOUSTON TX 77210-4551
ATTN CARBETT J DUHON, JR
CENTRAL US BUSINESS UNIT

R J MILLER
KOCH EXPLORATION
P O BOX 2256
WICHITA KS 67201-2256

JOHN LEE TURNER
P O BOX 797215
DALLAS TX 75379-7215

KATHLEEN MCLANE TRUST
P O BOX 214430
DALLAS TX 75221-4430

MICHAEL S MCLANE TRUST
P O BOX 214430
DALLAS TX 75221-4430

MARY F TURNER, TRUST 6743
TEXAS COMMERCE BANK
P O BOX 951412
DALLAS TX 752395-1412

DAWN J TURNBULL
5847 LAKEHURST AVENUE
DALLAS TX 75230-5031

DERRICK TURNBULL
5847 LAKEHURST AVENUE
DALLAS TX 75230-5031

CINDY BRADY
2222 FLAT CREEK
RICHARDSON TX 75080-2332

DENISE TURNBULL WILLIAMS
5847 LAKEHURST AVENUE
DALLAS TX 75230-5031

MARY JEANNE SIMMONS BANKS
2104 WINTER SUNDAY WAY
ARLINGTON TX 76012-4941

HELEN LOUISE SIMMONS
2429 WABASH
FORT WORTH TX 76109-1018

JUNE SIMMONS LIVELY
3529 BELLAIRE DRIVE NORTH
FORT WORTH TX 76109-2110

CAROLEE SIMMONS SMITH
5717 JACQUELINE ROAD
FORT WORTH TX 76112-3952



RAY POWELL, M.S., D.V.M.
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

310 OLD SANTA FE TRAIL P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

SLO REF NO. OG-1338

January 28, 1994

Amoco Production Company
1670 Broadway
P.O. Box 800
Denver, Colorado 80201

Attn: Ms. Lara J. Kwartin

Re: 1994 Plan of Development
San Juan 28-7 Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

RBP/FOP/pm

cc: OCD -- *Roy Johnson*
BLM



State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148

(505) 827-5760
FAX (505) 827-5766

SANTA FE, NEW MEXICO 87504-1148

January 20, 1994

Amoco Production Company
P.O. Box 800
Denver, Colorado 80201

Attention: Mr. J. L. Vosika

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
Application for Approval of Initial thru 3rd Expanded
Participating Area
Fruitland Formation

Dear Mr. Vosika:

The Bureau of Land Management by their letter of October 27, 1993, has notified this office that the 1st thru 3rd revisions to the Fruitland Participating Area for the San Juan 28-7 Unit, Rio Arriba County, New Mexico, have been approved. Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management and has this date also approved your application for the above-mentioned Participating Areas containing 2,861.23 acres.

The Initial revision adds 320.00 acres to the Fruitland Participating Area effective 11-01-91 and is described as:

W $\frac{1}{2}$ of Section 17-28N-07W, Well #12NP

The 1st revision adds 621.23 acres to the Fruitland Participating Area effective 12-01-91 and is described as:

W $\frac{1}{2}$ of Section 31-28N-07W, Well #105

E $\frac{1}{2}$ of Section 14-28N-07W, Well #403

The 2nd revision adds 1,600.00 acres to the Fruitland Participating Area effective 01-01-92 and is described as:

W $\frac{1}{2}$ of Section 24-28N-07W, Well #407

Amoco Production Company
Page 2
January 20, 1994

E $\frac{1}{2}$ of Section 27-28N-07W, Well #408
W $\frac{1}{2}$ of Section 27-28N-07W, Well #409
W $\frac{1}{2}$ of Section 23-28N-07W, Well #420
E $\frac{1}{2}$ of Section 23-28N-07W, Intervening Drilling Block

The 3rd revision adds 320.00 acres to the Fruitland Participating Area effective February 1, 1993, and is described as:

E $\frac{1}{2}$ of Section 30-28N-07W, Well #249

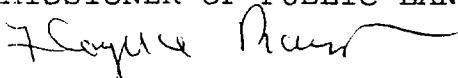
Please disregard our letter of December 27, 1993.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL, M.S., D.V.M
COMMISSIONER OF PUBLIC LANDS

BY:


FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744

RBP/FOP/pm

cc: Reader File

OCD

TRD

BLM



January 14, 1994

OIL CONSERVATION DIVISION
RECEIVED
JAN 14 1994 PM 9 24

Southern

Rockies

Business

Unit

New Mexico State Land Office
Oil and Gas Development
P.O. Box 1148
Santa Fe, NM 87301-1148

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attn: Mr. John L. Keller

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2008

File: PMM-032-416

Re: San Juan 28-7 Unit #14-08-001-459
Ric Arriba County, New Mexico
1994 Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval the attached 1994 Plan of Development. The plan proposes the drilling of six dual Mesaverde/Dakota wells, six triple Picture Cliffs/Mesaverde/Dakota wells, and three Fruitland coal wells.

Referencing our 1993 Plan of Development the San Juan 28-7 Unit #181M, #193M, and #221M, were submitted but were not drilled. Our plans are to drill these wells in 1994.

Due to the timing of this proposal, all affected working Interest Owners (see attachment) are being contacted in concurrence with this proposal.

If this Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company, at the address below, to the attention of Lara Kwartin.

If you should have any questions regarding this letter, or need additional information, please contact me at (303)830-5708.

Sincerely,

Lara J. Kwartin

Lara J. Kwartin
Engineer

LJK/alc

cc: San Juan 28-7 Unit Working Interest Owners

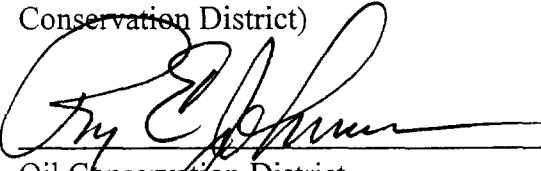
Attachments

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1994 Plan of Development

APPROVED: _____ Dated: _____
Bureau of Land Management
(Subject to like approval by the Commissioner of Public Lands and the Oil
Conservation District)

APPROVED: _____ Dated: _____
Commissioner of Public Lands
(Subject to like approval by the Bureau of Land Management and the Oil
Conservation District)

APPROVED:  _____ Dated: 1-27-94
Oil Conservation District
(Subject to like approval by the Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals are for the 1994 Plan of Development for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO

ADDRESS LIST
January 12, 1994

CONOCO INC
10 DESTA DRIVE
SUITE 100W
MIDLAND TX 79705-4515
ATTN NEW MEXICO JIB'S

TEXACO E. & P. INC
P O BOX 3109
MIDLAND TX 79702
ATTN LAND DEPARTMENT

MERIDIAN OIL INC
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P O BOX 4289
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ATTN JOINT INTEREST ENGINEERS

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3131 TURTLE CREEK BLVD
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RICHARDSON TX 75083

J MCLAUGHLIN
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ATTN CARBETT J DUHON, JR
CENTRAL US BUSINESS UNIT

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3529 BELLAIRE DRIVE NORTH
FORT WORTH TX 76109-2110

CAROLEE SIMMONS SMITH
5717 JACQUELINE ROAD
FORT WORTH TX 76112-3952

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1994 Plan of Development

The following wells are proposed for drilling during the 1994 calendar year:

<u>Well</u>	<u>Location</u>	<u>Target</u>
Ref #10112	NW/4 Sec. 26-T28N-R7W	Picture Cliffs, Mesaverde and Dakota
Ref #10126	SE/4 Sec. 35-T28N-R7W	Picture Cliffs, Mesaverde and Dakota
Ref #10129	NW/2 Sec. 22-T28N-R7W	Picture Cliffs, Mesaverde and Dakota
Ref #10131	SE/2 sec. 22-T28N-R7W	Picture Cliffs, Mesaverde and Dakota
Ref #10144	SE/4 Sec 1-T27N-R7W	Picture Cliffs, Mesaverde and Dakota
Ref #20104	NW/4 Sec. 12-T27N-R7W	Picture Cliffs, Mesaverde and Dakota
San Juan 28-7 #221M	SE/4 Sec. 25 T28N-R7W	Mesaverde and Dakota
San Juan 28-7 #193M	NW/4 Sec. 28 T28N-R7W	Mesaverde and Dakota
San Juan 28-7 #181M	NW/4 Sec. 3 T28N-R7W	Mesaverde and Dakota
Ref # ?	SE/4 Sec. 34 T28N-R7W	Mesaverde and Dakota
Ref #20085	NW/4 Sec. 34 T28N-R7W	Mesaverde and Dakota
Ref # ?	NW/4 Sec 2 T27N-R7W	Mesaverde and Dakota
Ref #601	SW/4 Sec. 14 T28N-R7W	Fruitland Coal
Ref #602	NE/4 Sec. 22 T28N-R7W	Fruitland Coal
Ref #603	NE/4 Sec. 23 T28N-R7W	Fruitland Coal

Two of the above Fruitland Coal wells will be used as injection wells, as part of an enhanced coal bed methane recovery project. Before March 1, 1994, project proposals will be sent to Working Interest Owners

Amoco Production Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other well subsequently deemed necessary or desirable by the Unit Operator and the Working Interest Owners

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1994 Plan of Development

1993 Operations Summary

In 1993, Amoco Production Company, as Unit Operator, drilled two new wells, a Mesaverde and a Dakota.

The attached figures, 1 through 5, are base maps for the five participating areas: Dakota, Mesaverde, Pictured Cliffs, Chacra and Fruitland Coal. The geologic interpretation for each formation has not changed since the last map submitted.

Number of Completions

	<u>Participating</u>		<u>Non-Participating</u>		<u>P&G</u>
	<u>Active</u>	<u>Inactive</u>	<u>Active</u>	<u>Inactive</u>	
Dakota	116	1	2	0	1
Mesaverde	96	2	2	0	5
Pictured Cliffs	85	1	5	0	10
Chacra	18	0	2	1	7
Fruitland Coal	<u>8</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>2</u>
TOTAL:	323	4	16	1	25

Well Status

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

	<u>Participating</u>	<u>Non-Participating</u>
Dakota	116	2
Mesaverde	62	3
Pictured Cliffs	41	5
Chacra	7	3
Fruitland Coal	8	5
Dual Wells:		
PC/MV	34	0
PC NP/MV	1	0
PC/CK	11	0
MV/DK	1	0
Plugged and Abandoned	19	6

Performance Curves

Performance Curves for each formation are presented by figures 6 through 10. These summary plots do not include non-participating wells within the unit boundary.

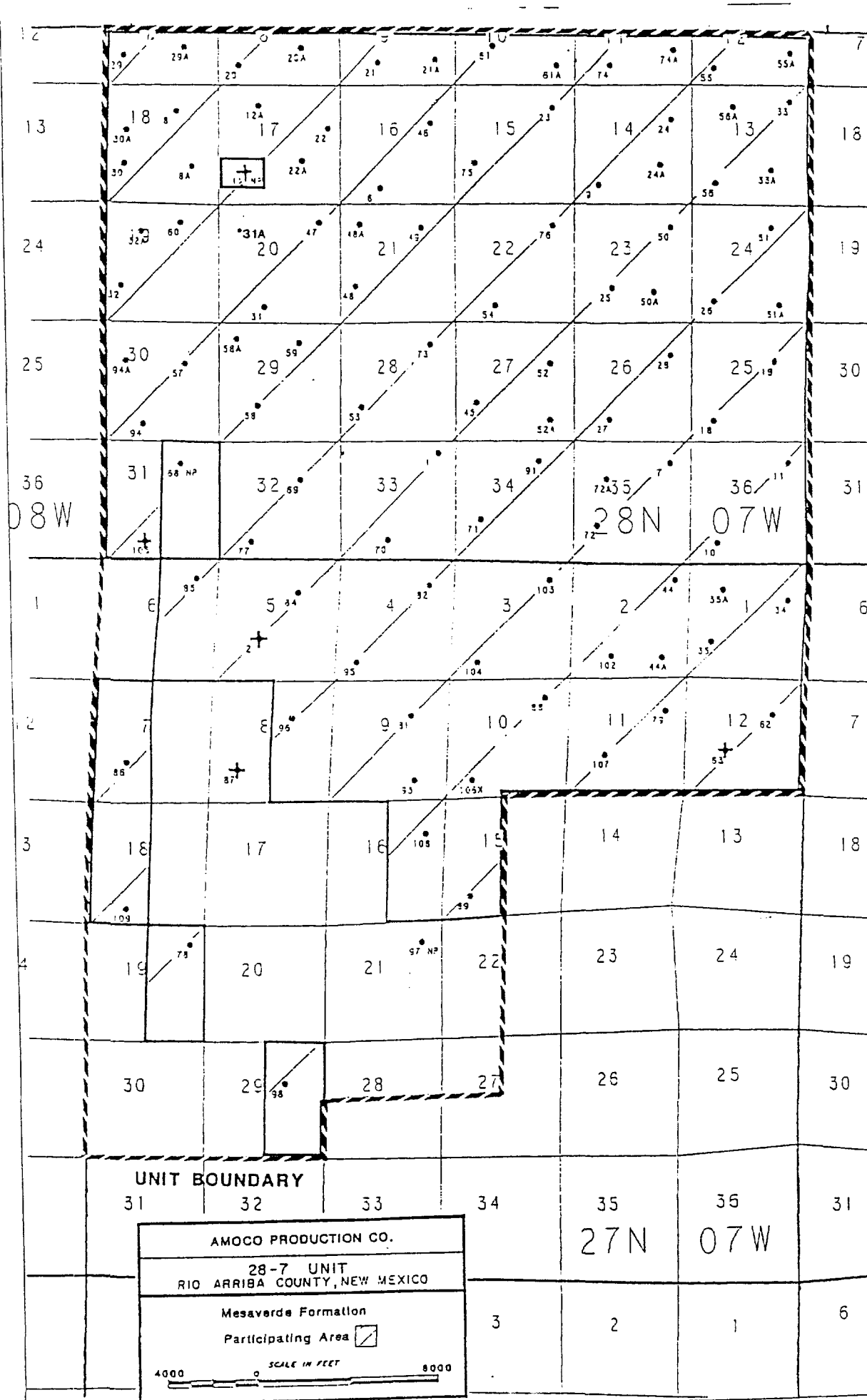


FIGURE 2

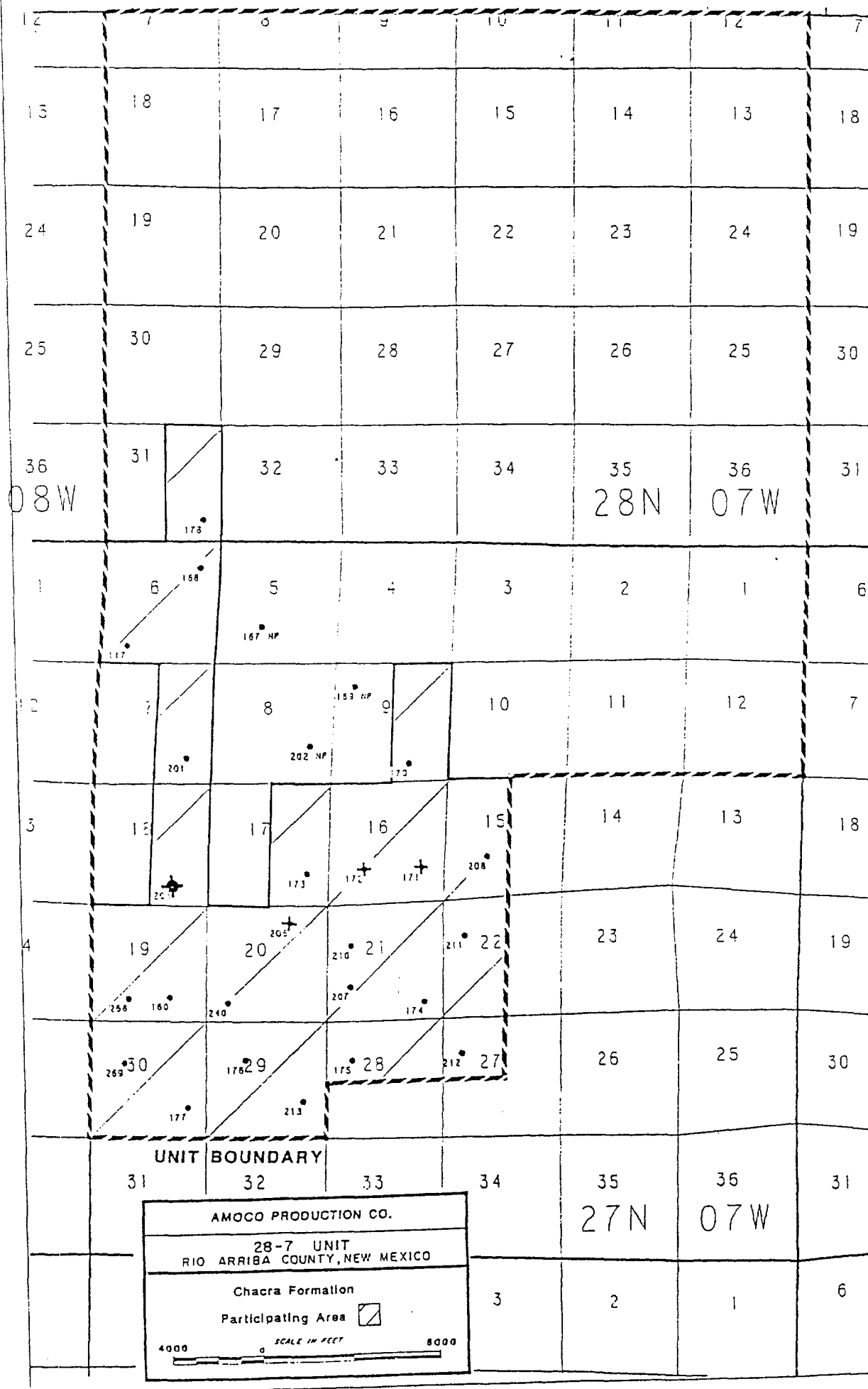
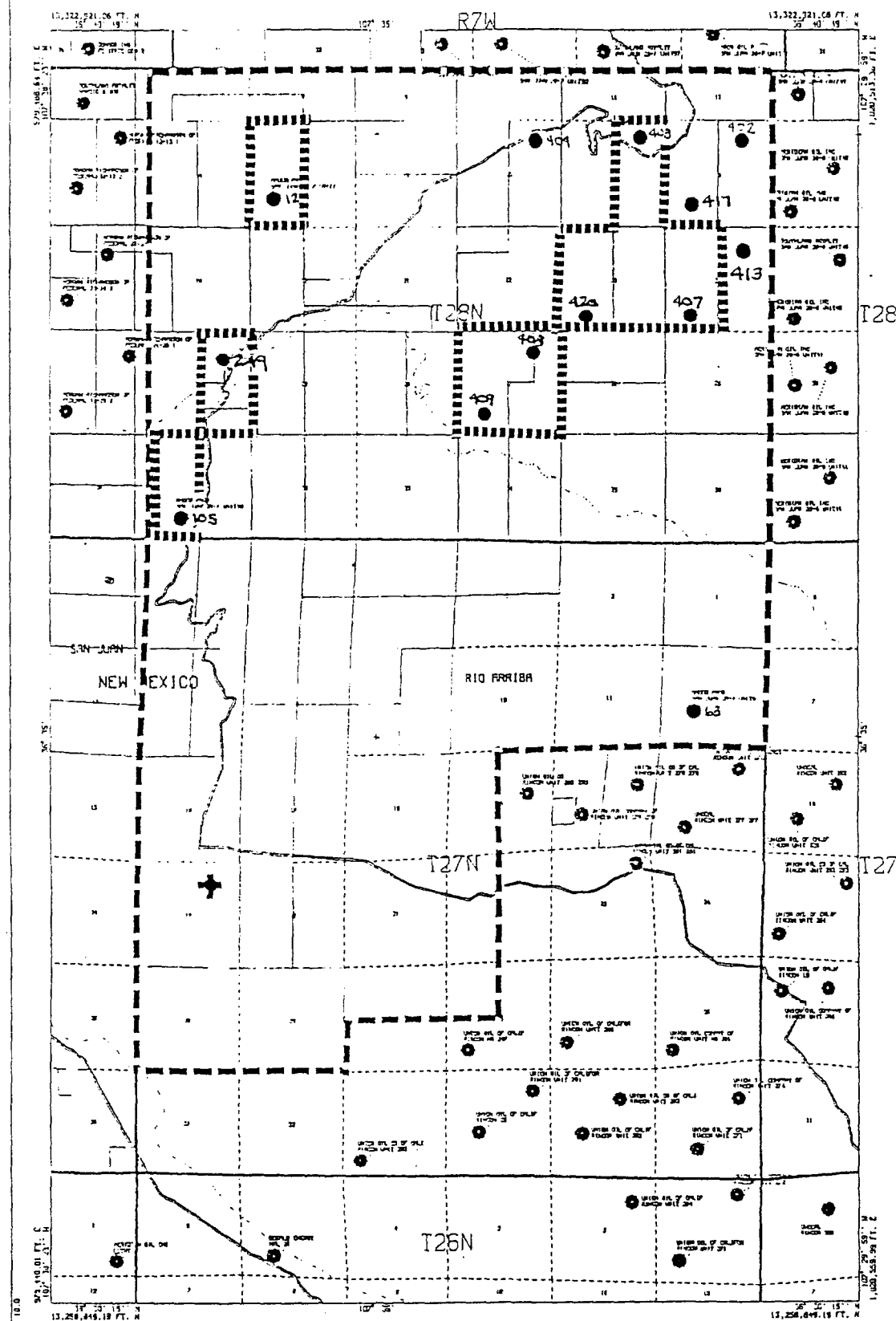


FIGURE 4



SUMMARY OF DK PRODUCTION

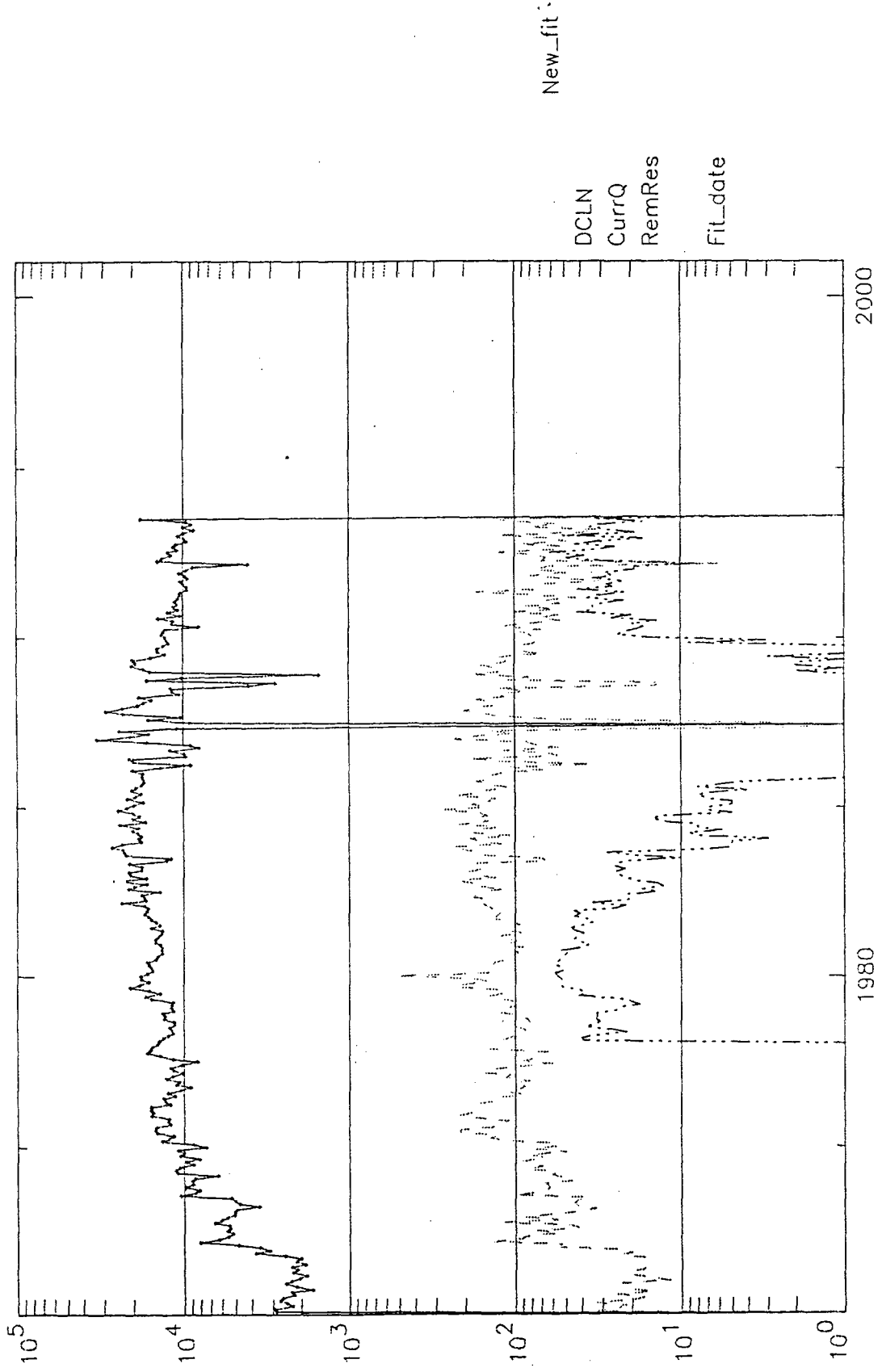


FIGURE 6

SUMMARY OF MV PRODUCTION

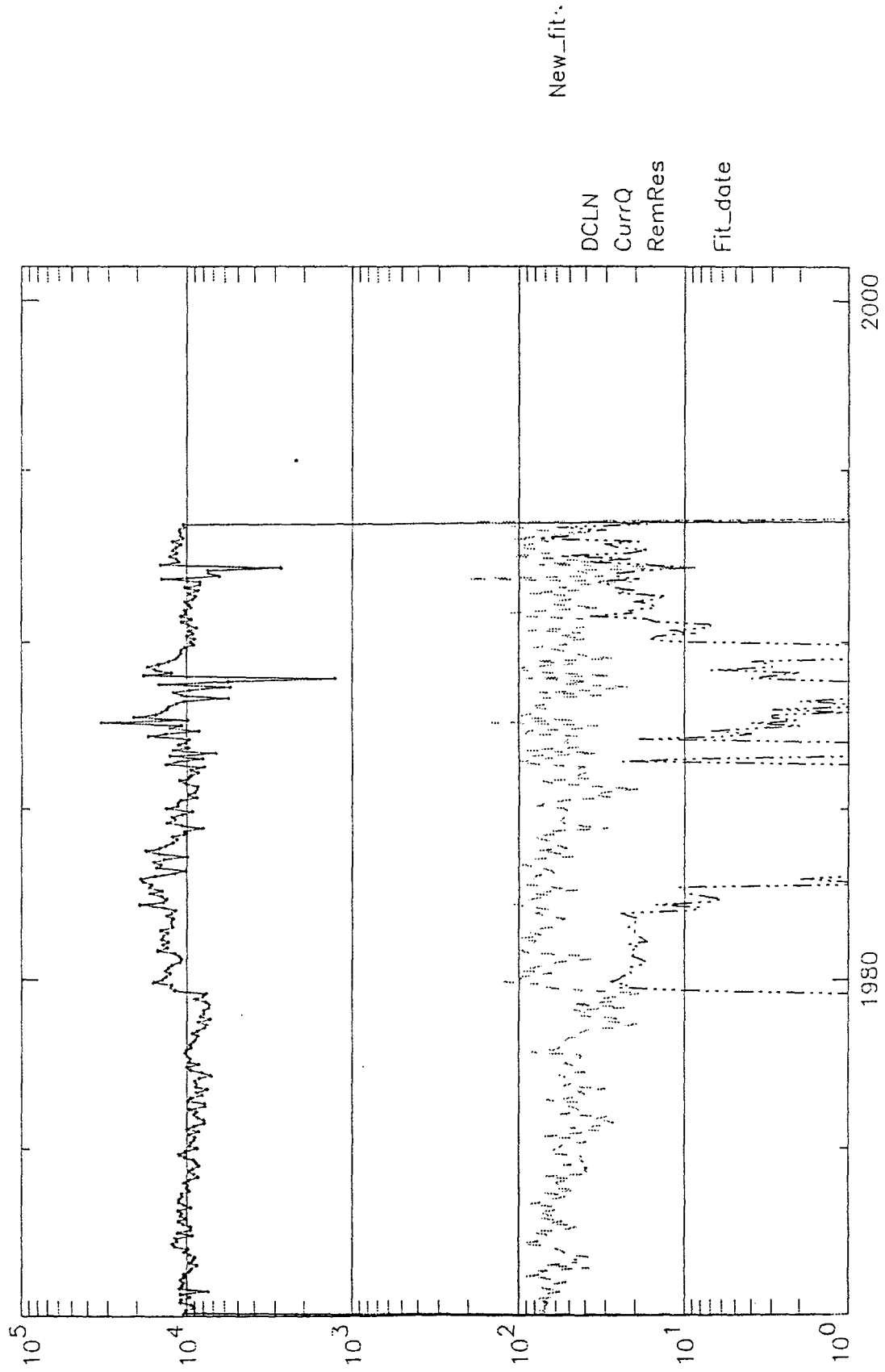


FIGURE 7

SUMMARY OF PC PRODUCTION

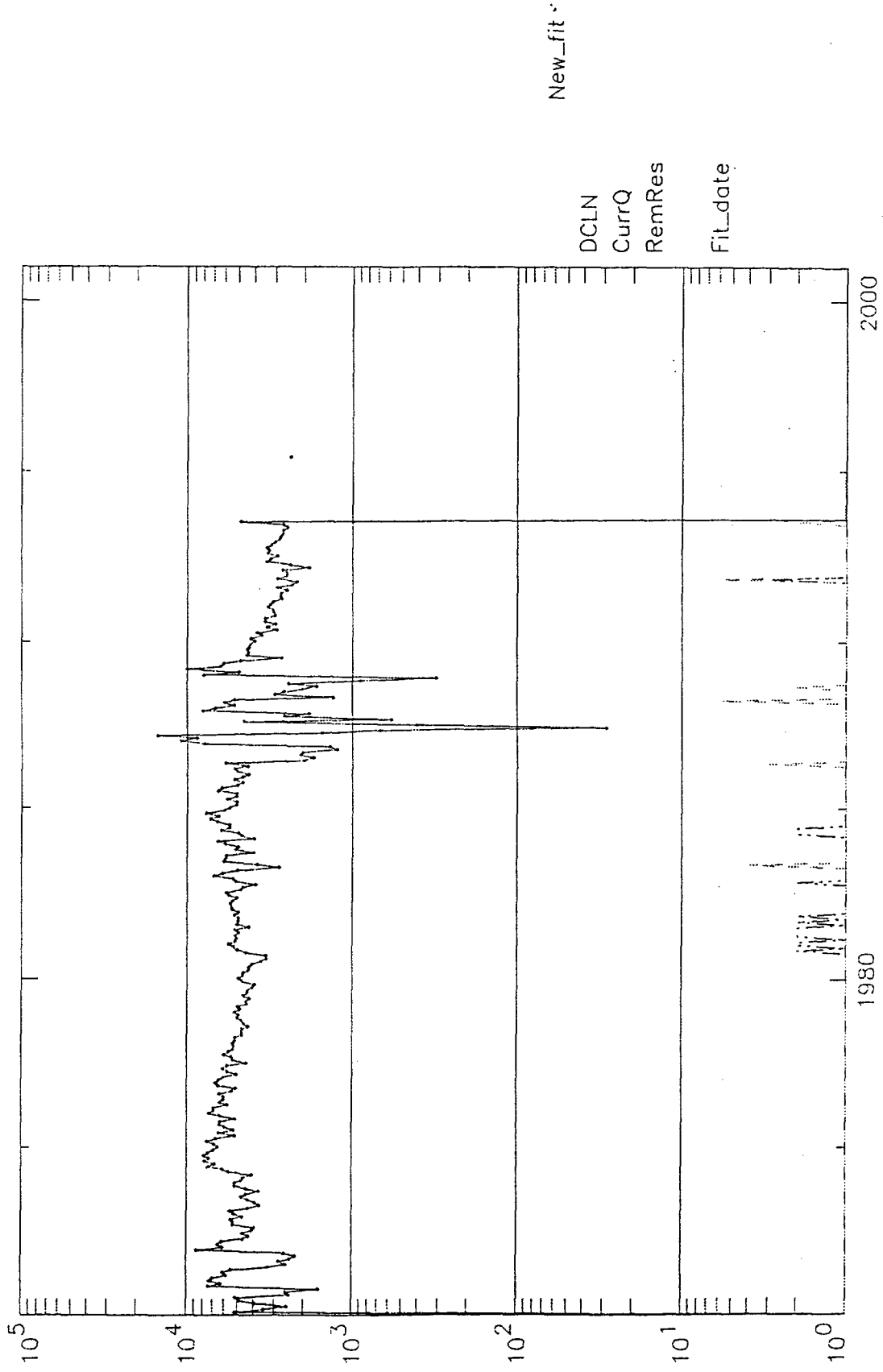


FIGURE 8

SUMMARY OF CK PRODUCTION

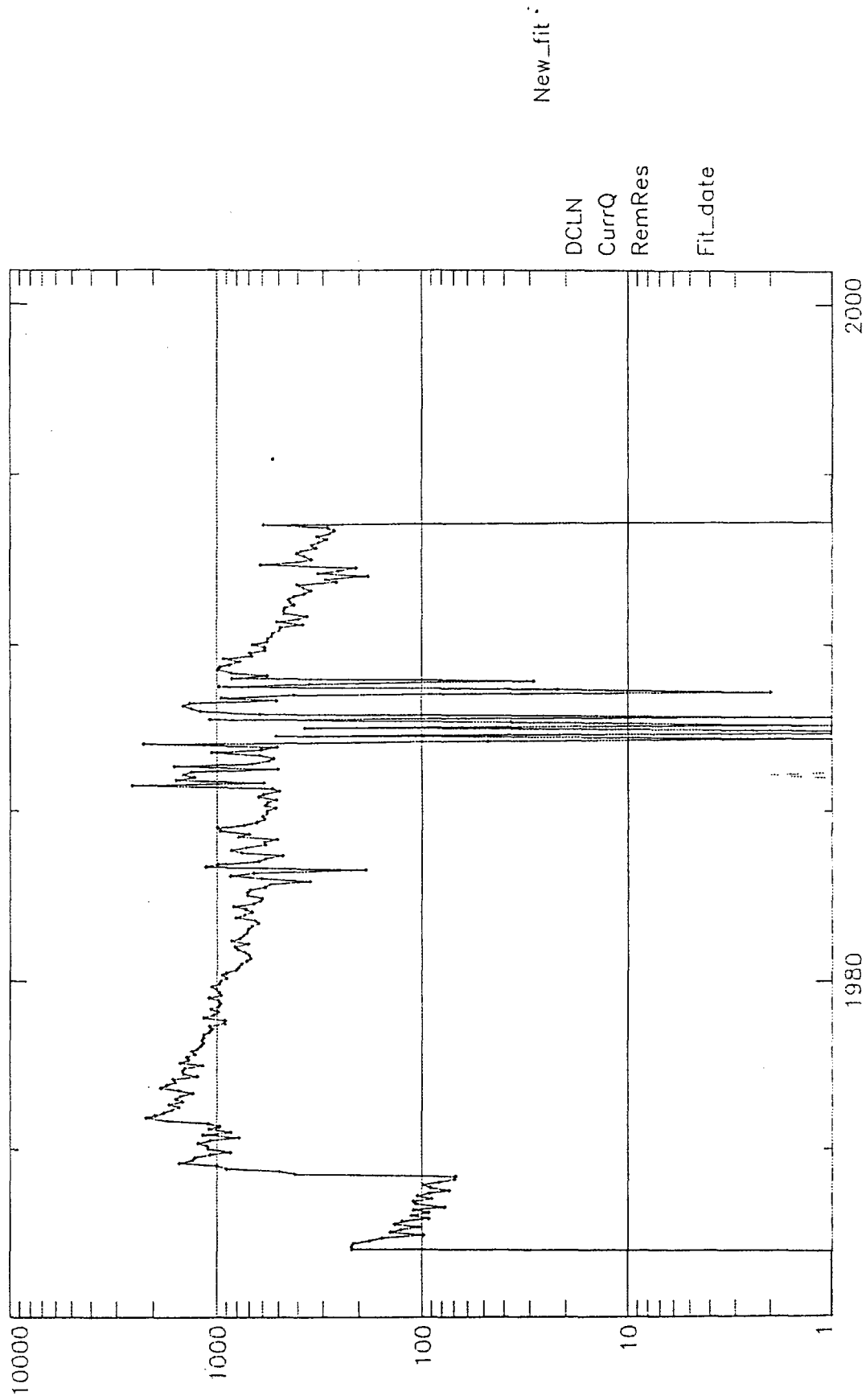


FIGURE 9

SUMMARY OF FT PRODUCTION

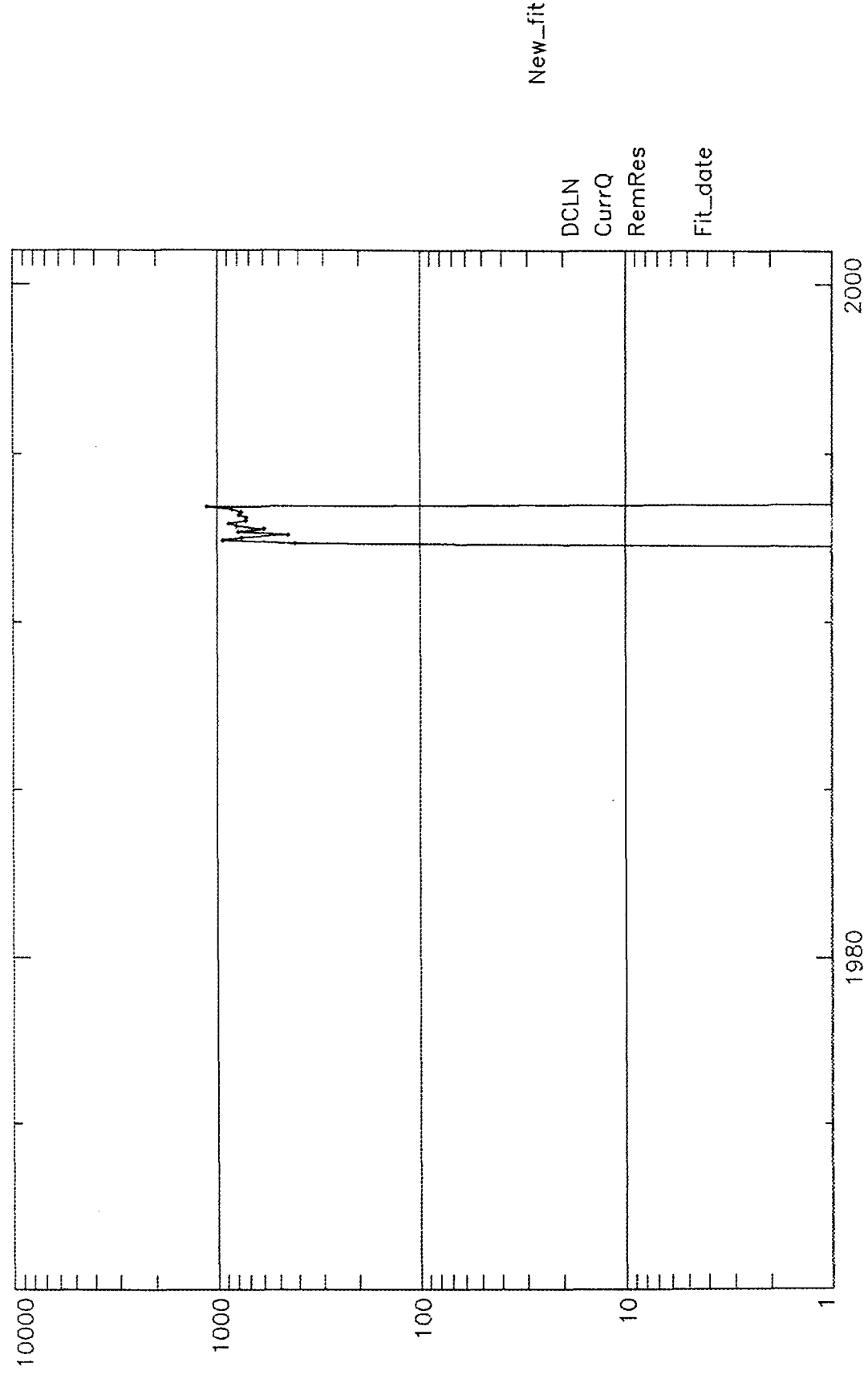


FIGURE 10



State of New Mexico
Commissioner of Public Lands

RAY POWELL, M.S., D.V.M.
COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760
FAX (505) 827-5766

December 22, 1993

Amoco Production Company
P. O. Box 800
Denver, Colorado 80201

Attn: Mr. J. L. Vosika

Re: Non-Paying Commercial Determinations
San Juan 28-7 Unit
Fruitland Formation
Rio Arriba County, New Mexico

Dear Mr. Vosika:

This office is in receipt of your letter of August 13, 1993, together with data that supports your non-paying well determinations regarding the San Juan 28-7 Unit Well Nos. 63, 402, 404, 413, and 417.

The Bureau of Land Management, by their letter of October 27, 1993, has advised this office that they have concurred with your determination that the above-mentioned wells are not capable of producing unitized substances in paying quantities from the Fruitland Formation.

Please be advised that the Commissioner of Public Lands concurs with Amoco Production Company and the Bureau of Land Management's determinations that the above-mentioned wells are not capable of producing unitized substance in paying quantities from the Fruitland Formation and should be produced on a lease basis.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY: Floyd O. Prando
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
RBP/FOP/pm
cc: Reader File
BLM
TRD
OCD

OIL CONCEPTS DIVISION
RECEIVED

1993 NOV 18 PM 8 41

San Juan 28-7 Unit
Fruitland PA
3183.5 (07327)

OCT 27 1993

Ms. Christina Zogorski
Amoco Production Company
P. O. Box 800
Denver, CO 80201

Re: San Juan 28-7 Unit
Fruitland Participating Area

Dear Ms. Zogorski:

This office has reviewed your application for paying well determinations in the Fruitland Coal Formation of the referenced unit. Your application contains a total of eight wells which you have determined to be capable of producing unitized substances in paying quantities. These eight wells are the supporting wells for the initial through the third revision to the Fruitland Participating Area (PA). We would like to thank you and other Amoco staff for the input provided in our joint meeting held October 12, 1993, here in Farmington, New Mexico.

Based upon data submitted with the application, additional data supplied upon request, and information provided at the October 12, 1993, meeting, we concur with your findings. The following table will reflect the approved Participating Area, effective date of each revision, acreage involved, and supporting wells for each revision of the PA.

REVISION	EFFECTIVE DATE	TOTAL ACRES	LOCATION SEC T R	ALLOCATED DRILL BLOCK	UNIT WELL(S)
INITIAL	11/1/91	320	17 28N 7W	W½	12NP
FIRST	12/1/91	621.23	31 28N 7W	W½	105
			14 28N 7W	E½	403
SECOND	1/1/92	1600	24 28N 7W	W½	407
			27 28N 7W	E½	408
			27 28N 7W	W½	409
			23 28N 7W	W½	420
			23 28N 7W	E½	IDB*
THIRD	2/1/93	320	30 28N 7W	E½	249

* Intervening Drill Block

Total acreage included in the initial through the third revision to the PA is 2,861.23 acres comprised of nine (9) drill blocks.

The initial PA, with revisions one through three of the Fruitland Formation in the San Juan 28-7 Unit is hereby approved with the effective date for each revision listed in the chart above. Please report future production under No. 891000459D for all approved acreage.

Enclosed for your consideration is an example of a fact sheet for each well which would greatly expedite future PA applications. A map depicting acreage involved in each revision (color coded) would also simplify processing of these applications (example included).

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the orders unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions regarding the processing of your application, please contact Ray Hager at (505) 599-6366.

Sincerely

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

3 Enclosures

- 1 - Original Application
- 2 - Example data sheet
- 3 - Example map

cc:

MMS, RMP, MS-3240, Denver, CO (w/enclosure 1)
Commissioner of Public Lands, Santa Fe, NM
New Mexico Oil Conservation Division, Santa Fe, NM

San Juan 28-7 Unit
Non-Paying Well Determination
3183.5 (07327)

OCT 27 1993

Ms. Christina Zogorski
Amoco Production Company
P. O. Box 800
Denver, CO 80201

Re: San Juan 28-7 Unit
Non-Paying Well Determination

Dear Ms. Zogorski:

This office has received your application for non-paying well determination in the Fruitland Formation of the referenced unit. Your application contains a total of five wells completed in the Fruitland Coal which you have determined to be in-capable of producing unitized substances in paying quantities from the Fruitland formation.

Well Name and No.	Drillblock
No. 63 San Juan 28-7 Unit	W $\frac{1}{2}$ Sec. 12, T. 27 N., R. 7 W.
No. 402 San Juan 28-7 Unit	E $\frac{1}{2}$ Sec. 13, T. 28 N., R. 7 W.
No. 404 San Juan 28-7 Unit	E $\frac{1}{2}$ Sec. 15, T. 28 N., R. 7 W.
No. 413 San Juan 28-7 Unit	E $\frac{1}{2}$ Sec. 24, T. 28 N., R. 7 W.
No. 417 San Juan 28-7 Unit	W $\frac{1}{2}$ Sec. 13, T. 28 N., R. 7 W.

We have analyzed the five wells and concur with your finding that the wells are not capable of producing unitized substances in paying quantities. These wells will be excluded from the Participating Area (PA). Please continue to report production under the lease number.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions, please contact Ray Hager at (505) 599-6366.

Sincerely,

[Signature]

Duane W. Spencer
Chief, Branch of Reservoir Management

1 Enclosure
1 - Original Application

cc:
See Attached List

Minerals Management Service w/enclosure
Royalty Management Program
Reference Data Branch
P. O. Box 5760 - (MS-3240)
Denver, CO 80217

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87504

New Mexico Oil Conservation Division ✓
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503



RAY B. POWELL
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

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

SLO REF NO. OG-1324

September 21, 1993

Amoco Production Company
P.O. Box 800
1670 Broadway
Denver, Colorado 80201

Attn: Mr. J. L. Vosika

Re: 1993 Plan of Development
San Juan 28-7 Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

RBP/FOP/pm
cc: OCD
BLM



OIL CONSERVATION DIVISION
RECEIVED

1993 SEP 15 AM 8 44

Southern

Rockies

Business

Unit

September 10, 1993

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

Attn: Mr. Duane Spencer

Re: San Juan 28-7 Unit Proposed Fruitland Coal Participating Area

Per our conversation of September 7, 1993, please find attached a revised schedule setting forth the land proposed for the San Juan 28-7 Unit Fruitland Coal Participating Area.

If you should have any other questions on the PA, please give me a call at (303) 830-4118.

Sincerely,

Cristina Anne Zogorski

CAZ/caz

Attachments

cc: Fruitland Coal Working Interest Owners
New Mexico State Land Office
Oil Conservation Commission
Ken McPhee, Denver

**SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO**

**Working Interest Owners
Fruitland Coal**

Conoco Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500
Attn: Mr. Alan R. Hannifin
Land Department

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289
Attn: Ms. Linda Donahue
Land Department

Thelma Ford Simmons Estate
P.O. Box 1469
Farmington, NM 87499-1469
Attn: DJ Simmons Company

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76102-4941

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF NOVEMBER 1, 1991

INITIAL PA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 3</u>						
SF 078417	T28N-R7W Sec. 17:W/2	320.00	Royalty	12.500000%	12.500000%	100.000000%
			Working Interest			
			Amoco	42.250000%	42.250000%	
			Conoco	42.250000%	42.250000%	
			ORRI	3.000000%	3.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

Township 28 North, Range 7 West, N.M.P.M.
Section 17: W/2

Total Number of Acres in Participating Area:

Total Number of acres Committed to Participating Area:

Percent of Basic Royalty Committed:

Percent of Working Interest Committed:

Percent of ORRI Committed:

320.00

320.00

100.00%

100.00%

100.00%

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF DECEMBER 1, 1991

1st EXPANSION

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078417	<u>T28N-R7W</u> Sec. 17:W/2	320.00	<u>TRACT 3</u>		12.5000000%	33.99806%
			Royalty			
			Working Interest			
			Amoco	42.2500000%		
			Conoco	42.2500000%		
			ORRI	3.0000000%		
	<u>100.0000000%</u>					
SF 078500-A	<u>T28N-R7W</u> Sec. 31:Lots 1,2,3,4,5 E/2 NW/4, NE/4 SW/4 (W/2)	301.23	<u>TRACT 10</u>		12.5000000%	32.00388%
			Royalty			
			Working Interest			
			Amoco	42.2500000%		
			Conoco	42.2500000%		
			ORRI	3.0000000%		
	<u>100.0000000%</u>					
SF 079289	<u>T28N-R7W</u> Sec. 14:E/2	320.00	<u>TRACT 21</u>		12.5000000%	33.99806%
			Royalty			
			Working Interest			
			Amoco	34.7500000%		
			Conoco	34.7500000%		
			ORRI	18.0000000%		
	<u>100.0000000%</u>					

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

Township 28 North, Range 7 West, N.M.P.M.
Section 17: W/2
Section 14: E/2
Section 31: Lots 1, 2, 3, 4, 5, E/2 NW/4, NE/4 SW/4 (W/2)

Total Number of Acres in Participating Area:

Total Number of acres Committed to Participating Area:

941.23
941.23

Percent of Basic Royalty Committed:

Percent of Working Interest Committed:

Percent of ORRI Committed:

100.00%
100.00%
100.00%

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF JANUARY 1, 1992

2nd EXPANSION

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 078417	<u>T28N-R7W</u> Sec. 17:W/2	320.00	<u>TRACT 3</u>			12.500000%	12.592333%
			Royalty	12.500000%			
			Working Interest				
			Amoco	42.250000%			
			Conoco	42.250000%			
			ORRI	3.000000%			
	100.000000%						
SF 078496	<u>T28N-R7W</u> Sec. 27:SE/4, E/2 NE/4	240.00	<u>TRACT 5</u>			12.500000%	9.44425%
			Royalty	12.500000%			
			Working Interest				
			Amoco	42.250000%			
			Conoco	42.250000%			
			ORRI	3.000000%			
	100.000000%						
SF 078498	<u>T28N-R7W</u> Sec. 27:W/2 NE/4, W/2	400.00	<u>TRACT 9</u>			12.500000%	15.74041%
			Royalty	12.500000%			
			Working Interest				
			Amoco	42.250000%			
			Conoco	42.250000%			
			ORRI	3.000000%			
	100.000000%						
SF 078500-A	<u>T28N-R7W</u> Sec. 31:Lots 1,2,3,4,5 E/2 NW/4, NE/4 SW/4	301.23	<u>TRACT 10</u>			12.500000%	11.85370%
			Royalty	12.500000%			
			Working Interest				
			Amoco	42.250000%			
			Conoco	42.250000%			
			ORRI	3.000000%			
	100.000000%						

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF JANUARY 1, 1992

2nd EXPANSION (cont.)

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079289	<u>T28N-R7W</u> Sec. 14:E/2	320.00	<u>TRACT 21</u>		12.5000000%	12.592333%
			Royalty			
			Working Interest			
			Amoco	34.7500000%		
			Conoco	34.7500000%		
			ORRI	18.0000000%		
			<u>100.0000000%</u>			
SF 079290	<u>T28N-R7W</u> Sec. 24:W/2 Sec. 23:W/2	640.00	<u>TRACT 23</u>		12.5000000%	25.18465%
			Royalty			
			Working Interest			
			Amoco	34.7500000%		
			Conoco	34.7500000%		
			ORRI	18.0000000%		
			<u>100.0000000%</u>			
SF 079290-A	<u>T28N-R7W</u> Sec. 23:E/2	320.00	<u>TRACT 24</u>		12.5000000%	12.592333%
			Royalty			
			Working Interest			
			Meridian	52.5000000%		
			Simmons	35.0000000%		
			ORRI	0.0000000%		
			<u>100.0000000%</u>			

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

Township 28 North, Range 7 West, N.M.P.M.

Section 17: W/2

Section 14: E/2

Section 31: Lots 1, 2, 3, 4, 5, E/2 NW/4, NE/4 SW/4 (W/2)

Section 23: All

Section 24: W/2

Section 27: All

Total Number of Acres in Participating Area:

Total Number of acres Committed to Participating Area:

Percent of Basic Royalty Committed:

Percent of Working Interest Committed:

Percent of ORRI Committed:

2541.23
2541.23
100.00%
100.00%
100.00%

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF FEBRUARY 1, 1993

3rd EXPANSION

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078417	<u>T28N-R7W</u> Sec. 17:W/2	320.00	<u>TRACT 3</u>		12.5000000%	11.184000%
			Royalty			
			Working Interest			
			Amoco	42.2500000%	42.2500000%	
			Conoco	42.2500000%	42.2500000%	
			ORRI	3.0000000%	3.0000000%	
				100.0000000%	100.0000000%	
SF 078496	<u>T28N-R7W</u> Sec. 27:SE/4, E/2 NE/4	240.00	<u>TRACT 5</u>		12.5000000%	8.388000%
			Royalty			
			Working Interest			
			Amoco	42.2500000%	42.2500000%	
			Conoco	42.2500000%	42.2500000%	
			ORRI	3.0000000%	3.0000000%	
				100.0000000%	100.0000000%	
SF 078498	<u>T28N-R7W</u> Sec. 27:W/2 NE/4, W/2	400.00	<u>TRACT 9</u>		12.5000000%	13.980000%
			Royalty			
			Working Interest			
			Amoco	42.2500000%	42.2500000%	
			Conoco	42.2500000%	42.2500000%	
			ORRI	3.0000000%	3.0000000%	
				100.0000000%	100.0000000%	
SF 078500-A	<u>T28N-R7W</u> Sec. 31: Lots 1,2,3,4,5 E/2 NW/4, NE/4 SW/4 Sec. 30: W/2 NE/4, NE/4 NE/4, S/2 SE/4	501.23	<u>TRACT 10</u>		12.5000000%	17.51799%
			Royalty			
			Working Interest			
			Amoco	42.2500000%	42.2500000%	
			Conoco	42.2500000%	42.2500000%	
			ORRI	3.0000000%	3.0000000%	
				100.0000000%	100.0000000%	
						*Conoco went non-consent on recompletion of San Juan 28-7 #249 IFT/E/2 Sec. 30 T28N-R7W subject to 300% penalty

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF FEBRUARY 1, 1993

3rd EXPANSION (cont.)

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079289	<u>T28N-R7W</u> Sec. 14:E/2	320.00	Royalty	12.500000%	12.500000%	11.18400%
			Working Interest			
			Amoco	34.750000%		
			Conoco	34.750000%		
			ORRI	18.000000%		
				<u>100.000000%</u>		
SF 079290	<u>T28N-R7W</u> Sec. 24:W/2 Sec.23:W/2	640.00	Royalty	12.500000%	12.500000%	22.36800%
			Working Interest			
			Amoco	34.750000%		
			Conoco	34.750000%		
			ORRI	18.000000%		
				<u>100.000000%</u>		
SF 079290-A	<u>T28N-R7W</u> Sec. 23:E/2	320.00	Royalty	12.500000%	12.500000%	11.18400%
			Working Interest			
			Meridian	52.500000%		
			Simmons	35.000000%		
			ORRI	0.000000%		
				<u>100.000000%</u>		
Fee	<u>T28N-R7W</u> Sec. 30:SE/4 NE/4, N/2 SE/4	120.00	Royalty	12.500000%	12.500000%	4.19401%
			Working Interest			
			Amoco	43.750000%		
			Conoco	43.750000%		
			ORRI	0.000000%		
				<u>100.000000%</u>		
						*Conoco went non-consent on recompletion of San Juan 28-7 #249 IFT/E/2 Sec. 30 T28N-R7W subject to 300% penalty

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
 SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

- Township 28 North, Range 7 West, N.M.P.M.
 Section 17: W/2
 Section 14: E/2
 Section 31: Lots 1, 2, 3, 4, 5, E/2 NW/4, NE/4 SW/4 (W/2)
 Section 23: All
 Section 24: W/2
 Section 27: All
 Section 30: E/2

Total Number of Acres in Participating Area:
 Total Number of acres Committed to Participating Area:

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

2861.23
 2861.23

100.00%
 100.00%
 100.00%

FILE



OIL CONSERVATION DIVISION
RECEIVED

'93 SEP 2 AM 8 33

Southern

Rockies

Business

Unit

August 31, 1993

445

Conoco Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500
Attn: Mr. Alan R. Hannifin

File: JLV-016-416

Re: San Juan 28-7 Unit Proposed Fruitland Coal Participating Area

Per your letter of August 20, 1993, please find attached a revised schedule setting forth the land proposed for the San Juan 28-7 Unit Fruitland Coal Participating Area.

If you should have any questions, please contact Cristina Zogorski, at (303) 830-4118.

Sincerely,

J. L. Vosika
Resource Manager

JLV/caz

Attachments

cc: Fruitland Coal Working Interest Owners
New Mexico State Land Office
Oil Conservation Commission
Bureau of Land Management
Ken McPhee, Denver

**SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO**

**Working Interest Owners
Fruitland Coal**

Conoco Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500
Attn: Mr. Alan R. Hannifin
Land Department

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289
Attn: Ms. Linda Donahue
Land Department

Thelma Ford Simmons Estate
P.O. Box 1469
Farmington, NM 87499-1469
Attn: DJ Simmons Company

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76102-4941

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF NOVEMBER 1, 1991

INITIAL PA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 1						
SF 078417	T28N-R7W Sec. 17:W/2	320.00	Royalty	12.500000%	12.500000%	100.000000%
			Working Interest			
			Amoco	42.250000%	42.250000%	
			Conoco	42.250000%	42.250000%	
			ORRI	3.000000%	3.000000%	
				100.000000%	100.000000%	

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

Township 28 North, Range 7 West, N.M.P.M.
Section 17: W/2

Total Number of Acres in Participating Area:
Total Number of acres Committed to Participating Area:

320.00
320.00

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

100.00%
100.00%
100.00%

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF DECEMBER 1, 1991

1st EXPANSION

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 078417	<u>T28N-R7W</u> Sec. 17:W/2	320.00	<u>TRACT 1</u>			12.500000%	33.99806%
			Royalty				
			Working Interest				
			Amoco	42.250000%	42.250000%		
			Conoco	42.250000%	42.250000%		
			ORRI	3.000000%	3.000000%		
			<u>100.000000%</u>	<u>100.000000%</u>			
SF 079289	<u>T28N-R7W</u> Sec. 14:E/2	320.00	<u>TRACT 2</u>			12.500000%	33.99806%
			Royalty				
			Working Interest				
			Amoco	34.750000%	34.750000%		
			Conoco	34.750000%	34.750000%		
			ORRI	18.000000%	18.000000%		
			<u>100.000000%</u>	<u>100.000000%</u>			
SF 078500-A	<u>T28N-R7W</u> Sec. 31:Lots 1,2,3,4,5 E/2 NW/4, NE/4 SW/4 (W/2)	301.23	<u>TRACT 3</u>			12.500000%	32.00388%
			Royalty				
			Working Interest				
			Amoco	42.250000%	42.250000%		
			Conoco	42.250000%	42.250000%		
			ORRI	3.000000%	3.000000%		
			<u>100.000000%</u>	<u>100.000000%</u>			

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

Township 28 North, Range 7 West, N.M.P.M.
 Section 17: W/2
 Section 14: E/2
 Section 31: Lots 1, 2, 3, 4, 5, E/2 NW/4, NE/4 SW/4 (W/2)

Total Number of Acres in Participating Area:

Total Number of acres Committed to Participating Area:

941.23
941.23

Percent of Basic Royalty Committed:

Percent of Working Interest Committed:

Percent of ORRI Committed:

100.00%
100.00%
100.00%

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF JANUARY 1, 1992

2nd EXPANSION

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078417	T28N-R7W Sec. 17:W/2	320.00	TRACT 1		12.500000%	12.592333%
			Royalty			
			Working Interest			
			Amoco	42.250000%		
			Conoco	42.250000%		
	ORRI	3.000000%	100.000000%			
SF 079289	T28N-R7W Sec. 14:E/2	320.00	TRACT 2		12.500000%	12.592333%
			Royalty			
			Working Interest			
			Amoco	34.750000%		
			Conoco	34.750000%		
	ORRI	18.000000%	100.000000%			
SF 078500-A	T28N-R7W Sec. 31: Lots 1,2,3,4,5 E/2 NW/4, NE/4 SW/4	301.23	TRACT 3		12.500000%	11.85370%
			Royalty			
			Working Interest			
			Amoco	42.250000%		
			Conoco	42.250000%		
	ORRI	3.000000%	100.000000%			
SF 079290	T28N-R7W Sec. 24:W/2 Sec. 23:W/2	640.00	TRACT 4		12.500000%	25.18465%
			Royalty			
			Working Interest			
			Amoco	34.750000%		
			Conoco	34.750000%		
	ORRI	18.000000%	100.000000%			

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF JANUARY 1, 1992

2nd EXPANSION (cont.)

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079290-A	<u>T28N-R7W</u> Sec. 23:E/2	320.00	<u>TRACT 5</u>			
			Royalty	12.500000%	12.500000%	12.592333%
			Working Interest			
			Meridian	52.500000%	52.500000%	
			Simmons	35.000000%	35.000000%	
			ORRI	0.000000%	0.000000%	
			<u>100.000000%</u>	<u>100.000000%</u>		
SF 078498	<u>T28N-R7W</u> Sec. 27:W/2 NE/4, W/2	400.00	<u>TRACT 6</u>			
			Royalty	12.500000%	12.500000%	15.74041%
			Working Interest			
			Amoco	42.250000%	42.250000%	
			Conoco	42.250000%	42.250000%	
			ORRI	3.000000%	3.000000%	
			<u>100.000000%</u>	<u>100.000000%</u>		
SF 078496	<u>T28N-R7W</u> Sec. 27:SE/4, E/2 NE/4	240.00	<u>TRACT 7</u>			
			Royalty	12.500000%	12.500000%	9.44425%
			Working Interest			
			Amoco	42.250000%	42.250000%	
			Conoco	42.250000%	42.250000%	
			ORRI	3.000000%	3.000000%	
			<u>100.000000%</u>	<u>100.000000%</u>		

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

Township 28 North, Range 7 West, N.M.P.M.
Section 17: W/2
Section 14: E/2
Section 31: Lots 1, 2, 3, 4, 5, E/2 NW/4, NE/4 SW/4 (W/2)
Section 23: All
Section 24: W/2
Section 27: All

Total Number of Acres in Participating Area:	2541.23
Total Number of acres Committed to Participating Area:	2541.23
Percent of Basic Royalty Committed:	100.00%
Percent of Working Interest Committed:	100.00%
Percent of ORRI Committed:	100.00%

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF FEBRUARY 1, 1993

3rd EXPANSION

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 078417	<u>T28N-R7W</u> Sec. 17:W/2	320.00	<u>TRACT 1</u>			12.500000%	11.18400%
			Royalty	12.500000%			
			Working Interest				
			Amoco	42.250000%	42.250000%		
			Conoco	42.250000%	42.250000%		
	ORRI	3.000000%	3.000000%				
			100.00000000%	100.00000000%			
SF 079289	<u>T28N-R7W</u> Sec. 14:E/2	320.00	<u>TRACT 2</u>			12.500000%	11.18400%
			Royalty	12.500000%			
			Working Interest				
			Amoco	34.750000%	34.750000%		
			Conoco	34.750000%	34.750000%		
	ORRI	18.000000%	18.000000%				
			100.00000000%	100.00000000%			
SF 078500-A	<u>T28N-R7W</u> Sec. 31: Lots 1,2,3,4,5 E/2 NW/4, NE/4 SW/4 Sec. 30: W/2 NE/4, NE/4 NE/4, S/2 SE/4	501.23	<u>TRACT 3</u>			12.500000%	17.51799%
			Royalty	12.500000%			
			Working Interest				
			Amoco	42.250000%	42.250000%		
			Conoco	42.250000%	42.250000%		
	ORRI	3.000000%	3.000000%				
			100.00000000%	100.00000000%		*Conoco went non-consent on recompletion of San Juan 28-7 #249 IFT/E/2 Sec. 30 T28N-R7W subject to 300% penalty	
SF 079290	<u>T28N-R7W</u> Sec. 24:W/2 Sec.23:W/2	640.00	<u>TRACT 4</u>			12.500000%	22.36800%
			Royalty	12.500000%			
			Working Interest				
			Amoco	34.750000%	34.750000%		
			Conoco	34.750000%	34.750000%		
	ORRI	18.000000%	18.000000%				
			100.00000000%	100.00000000%			

*Conoco went non-consent
on recompletion of San Juan
28-7 #249 IFT/E/2 Sec. 30
T28N-R7W subject to 300%
penalty

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF FEBRUARY 1, 1993

3rd EXPANSION (cont.)

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 079290-A	<u>T28N-R7W</u> Sec. 23:E/2	320.00	<u>TRACT 5</u>			12.500000%	11.18400%
			Royalty				
			Working Interest				
			Meridian	52.5000000%	52.5000000%		
			Simmons	35.0000000%	35.0000000%		
			ORRI	0.0000000%	0.0000000%		
			<u>100.0000000%</u>	<u>100.0000000%</u>			
SF 078498	<u>T28N-R7W</u> Sec. 27:W/2 NE/4, W/2	400.00	<u>TRACT 6</u>			12.500000%	13.98000%
			Royalty				
			Working Interest				
			Amoco	42.2500000%	42.2500000%		
			Conoco	42.2500000%	42.2500000%		
			ORRI	3.0000000%	3.0000000%		
			<u>100.0000000%</u>	<u>100.0000000%</u>			
SF 078496	<u>T28N-R7W</u> Sec. 27:SE/4, E/2 NE/4	240.00	<u>TRACT 7</u>			12.500000%	8.38800%
			Royalty				
			Working Interest				
			Amoco	42.2500000%	42.2500000%		
			Conoco	42.2500000%	42.2500000%		
			ORRI	3.0000000%	3.0000000%		
			<u>100.0000000%</u>	<u>100.0000000%</u>			
Fee G.H. Lobato	<u>T28N-R7W</u> Sec. 30:SE/4 NE/4, N/2 SE/4	60.00	<u>TRACT 8</u>			12.500000%	2.09700%
			Royalty				
			Working Interest				
			Amoco	43.7500000%	43.7500000%		
			Conoco	43.7500000%	43.7500000%		
			ORRI	0.0000000%	0.0000000%		
			<u>100.0000000%</u>	<u>100.0000000%</u>			
						*Conoco went non-consent on recomplection of San Juan 28-7 #249 IFT/E/2 Sec. 30 T28N-R7W subject to 300% penalty	

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

EFFECTIVE AS OF FEBRUARY 1, 1993

3rd EXPANSION (cont.)

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 9</u>						
Fee Eligio Jacquez Sec. 30:SE/4 NE/4, N/2 SE/4	T28N-R7W	60.00	Royalty	12.5000000%	12.5000000%	2.09701%
			Working Interest			*Conoco went non-consent on recompletion of San Juan 28-7 #249 IFT/E/2 Sec. 30 T28N-R7W subject to 300% penalty
			Amoco	43.7500000%	43.7500000%	
			Conoco	43.7500000%	43.7500000%	
			ORRI	0.0000000%	0.0000000%	
				<u>100.0000000%</u>	<u>100.0000000%</u>	

PARTICIPATING AREA FOR THE FRUITLAND COAL FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Description of Lands in Participation Area:

Township 28 North, Range 7 West, N.M.P.M.
Section 17: W/2
Section 14: E/2
Section 31: Lots 1, 2, 3, 4, 5, E/2 NW/4, NE/4 SW/4 (W/2)
Section 23: All
Section 24: W/2
Section 27: All
Section 30: E/2

Total Number of Acres in Participating Area: 2861.23
Total Number of acres Committed to Participating Area: 2861.23

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



August 31, 1993

OIL CONSERVATION DIVISION
RECEIVED

1993 SEP 7 AM 1 48

Southern

Rockies

Business

Unit

New Mexico State Land Office
Oil and Gas Development
P.O. Box 1148
Santa Fe, NM 87301-1148

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2008

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attn: Mr. John L. Keller

File: JLV-017-416

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1993 Revised Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1993 Revised Plan of Development. The plan proposes the drilling of one dual Mesaverde and Dakota well.

Due to the timing of this proposal, all affected Working Interest Owners (see attachment) are being contacted in concurrence with this proposal.

If this Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company, at the address below, to the attention of Lara Kwartin.

If you should have any questions regarding this letter, or need additional information, please contact Lara Kwartin at (303) 830-5708.

Sincerely,

J. L. Vosika
Resource Manager

JLV/ljk

Attachments

cc: San Juan 28-7 Unit Working Interest Owners

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1993 Plan of Development

The following well is proposed for drilling during the 1993 calendar year:

<u>Well</u>	<u>Location</u>	<u>Target</u>
San Juan 28-7 #181M	NW/4 Sec 03 T28N-R7W	Mesaverde and Dakota

The following wells, approved earlier this year, will also be drilled during the 1993 calendar year:

<u>Well</u>	<u>Location</u>	<u>Target</u>
San Juan 28-7 #193M	NW/4 Sec. 28 T28N-R7W	Mesaverde and Dakota
San Juan 28-7 #221M	SE/4 Sec. 25 T28N-R7W	Mesaverde and Dakota
San Juan 2807 #31A	NW/4 Sec. 20 T28N-R7W	Mesaverde
San Juan 28-7 #238R	SW/4 Sec. 29 T28N-R7W	Dakota

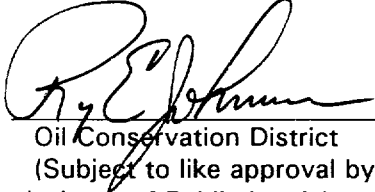
Amoco Production Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells subsequently deemed necessary or desirable by the Unit Operator and the Working Interest Owners.

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1993 Revised Plan of Development

APPROVED: _____ Dated: _____
Bureau of Land Management
(Subject to like approval by the Commissioner of Public Lands and the Oil
Conservation District)

APPROVED: _____ Dated: _____
Commissioner of Public Lands
(Subject to like approval by the Bureau of Land Management and the Oil
Conservation District)

APPROVED:  _____ Dated: 9-10-93
Oil Conservation District
(Subject to like approval by the Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals are for the 1993 Revised Plan of Development for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO

ADDRESS LIST
AUGUST 31, 1993

CONOCO INC
10 DESTA DRIVE
SUITE 100W
MIDLAND TX 79705-4500

TEXACO PRODUCING INC
ATTN LAND DEPARTMENT
P O BOX 3109
MIDLAND TX 79702

MERIDIAN OIL INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499-4289

ELIZABETH J TURNER-CALLOWAY
4801 SAINT JOHNS DRIVE
DALLAS TX 75205-3143

MESA OPERATING LTD PARTNERSHIP
P O BOX 200666
HOUSTON TX 77216

J GLENN TURNER JR
3131 TURTLE CREEK BLVD
SUITE 1201
DALLAS TX 75219

W G PEAVY OIL COMPANY
221 WOODCREST
P O BOX 5567
RICHARDSON TX 75083

J MCLAUGHLIN
UNIV OF TX LAW SCHOOL FOUNDATION
727 EAST 26TH STREET
AUSTIN TX 78736

THE WISER OIL COMPANY
P O BOX 640454
PITTSBURGH PA 15264-0454

UNOCAL 28-7s
P O Box 3100
MIDLAND TX 79707

R J MILLER
KOCH EXPLORATION
P O BOX 2256
WICHITA KS 67201-2256

JOHN LEE TURNER
P O BOX 797215
DALLAS TX 75379-7215

KATHLEEN MCLANE TRUST
P O BOX 214430
DALLAS TX 75221-4430

MICHAEL S MCLANE TRUST
P O BOX 214430
DALLAS TX 75221-4430

MARY F TURNER
AMERITRUST TEXAS
P O BOX 951412
DALLAS TX 752395-1412

DAWN J TURNBULL
9855 ELMCREST DRIVE
DALLAS TX 75238-1831

DERRICK TURNBULL
5847 LAKEHURST AVENUE
DALLAS TX 75230-5031

TEXACO EXP & PRODUCING INC
P O BOX 2100
DENVER CO 80201-2100

CINDY BRADY
2222 FLAT CREEK
RICHARDSON TX 75080

DENISE TURNBULL WILLIAMS
9855 ELMCREST DRIVE
DALLAS TX 75238-1831

MARY JEANNE SIMMONS BANKS
2104 WINTER SUNDAY WAY
ARLINGTON TX 76012

HELEN LOUISE SIMMONS
2429 WABASH
FORT WORTH TX 76109

JUNE SIMMONS LIVELY
3529 BELLAIRE DRIVE NORTH
FORT WORTH TX 76109

CAROLEE SIMMONS SMITH
5717 JACQUELINE ROAD
FORT WORTH TX 76112



OIL CONSERVATION DIVISION

August 13, 1993

August 13, 1993

8-20-13
D-Unit letter Th Rg

Southern

Rockies

Business

Unit

New Mexico State Land Office
Oil and Gas Development
P.O. Box 1148
Santa Fe, NM 87301-1148

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2008

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

File: JLV-015-416

Re: San Juan 28-7 Unit #14-08-001-459; well #'s 63, 402, 404, 413, & 417
Rio Arriba County, New Mexico
Notice of Non-Commercial Wells for the Fruitland Coal Formation

Amoco Production Company, as Unit Operator, pursuant to provisions of Section 11 of the Operating Agreement, has determined that the following wells are not capable of producing unitized substances in paying quantities from the Fruitland Coal formation and should not be admitted into the Participating Area:

San Juan 28-7 Unit #63	W/2 Section 12, T27N-R07W
San Juan 28-7 Unit #402	E/2 Section 13, T28N-R07W
San Juan 28-7 Unit #404	E/2 Section 15, T28N-R07W
San Juan 28-7 Unit #413	E/2 Section 24, T28N-R07W
San Juan 28-7 Unit #417	W/2 Section 13, T28N-R07W

In support of this determination, an economic analysis for each well is attached.

Please advise Amoco of your determination regarding these wells, as soon as possible. If you should have any questions, please contact Cristina Zogorski, at (303) 830-4118.

Sincerely,

J. L. Vosika

J. L. Vosika
Resource Manager

JLV/caz

Attachments

cc: Fruitland Coal Working Interest Owners
Ken McPhee, Denver

**SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO**

**Working Interest Owners
Fruitland Coal**

Conoco Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500
Attn: Mr. Alan R. Hannifin
Land Department

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289
Attn: Ms. Linda Donahue
Land Department

Thelma Ford Simmons Estate
P.O. Box 1469
Farmington, NM 87499-1469
Attn: DJ Simmons Company

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76102-4941

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952

ATTACHMENT #1

Non Paying Well Determination

San Juan 28-7 Unit
FC Participating Area

Input Parameters

Well Name	Costs (M\$)			Prices		Taxes	
	Drlg/Comp	Facility	Operating	Gas	Cond.	Severence	Ad Val
San Juan 28-7 Unit #63	283.40	37.90	6.00	1.60	10.26	7.9%	1.5%
San Juan 28-7 Unit #402	283.40	37.90	6.00	1.60	10.26	7.9%	1.5%
San Juan 28-7 Unit #404	283.40	37.90	6.00	1.60	10.26	7.9%	1.5%
San Juan 28-7 Unit #413	283.40	37.90	6.00	1.60	10.26	7.9%	1.5%
San Juan 28-7 Unit #417	283.40	37.90	6.00	1.60	10.26	7.9%	1.5%
							BTU
							1109
							1156
							1195
							1077
							1138

*See attached for decline analysis

Economic Analysis

Well Name	Disc Rate (%)	Cash Flow (M\$)	DROI	PI	Payout
San Juan 28-7 Unit #63	8.1	-77	-0.480	1.4	30.3
San Juan 28-7 Unit #402	7.0	-10	-0.068	6.0	8.7
San Juan 28-7 Unit #404	7.0	-15	-0.099	5.5	8.8
San Juan 28-7 Unit #413	7.0	-27	-0.083	5.7	11.1
San Juan 28-7 Unit #417	7.0	-35	-0.112	5.4	12.0

San Juan 28-7 Unit
FC Participating Area

Production Volumes

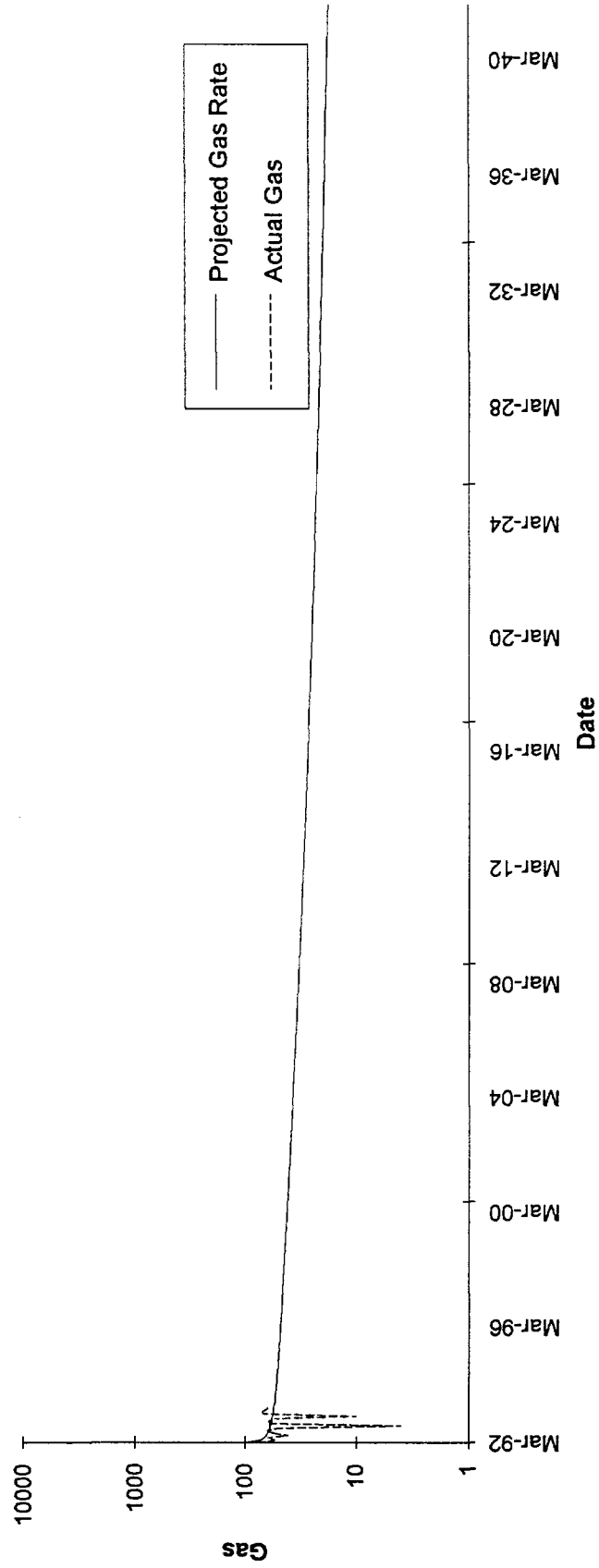
Drilled Wells

Well Name	API #	Meter #	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	92 Sum	Jan	Feb	Mar	Apr	May	93 Sum To Date	Total
SJ 28-7 #402	300392511100:FT	97169	*	4005	3183	2824	736	5438	4960	3754	4629	4264	3940	37733	3353	2406	1396	2085	2277	11517	49250
SJ 28-7 #403	300392511200:FT	97194	*	*	4274	5267	3511	3586	4477	4383	4236	4229	4041	38004	4100	3526	3943	3759	3298	18626	56630
SJ 28-7 #404	300392511300:FT	97195	*	*	3699	4351	3260	4148	4063	2492	3473	2308	2651	30445	3360	1507	3383	5257	4660	18167	48612
SJ 28-7 #407	300392511400:FT	97163	4780	10546	4376	4779	5197	5722	5815	5778	5344	6738	6935	66010	6033	3960	5866	6702	10745	33306	99316
SJ 28-7 #408	300392511500:FT	97173	*	*	1994	5166	2937	3797	3764	3137	3436	4037	3374	31642	2926	1820	1844	2294	2912	11796	43438
SJ 28-7 #409	300392512600:FT	97236	*	*	*	*	*	*	2818	3919	4131	3842	2234	16944	3620	4260	3510	4000	4503	19893	36837
SJ 28-7 #413		97391	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3101	3101	3101
SJ 28-7 #417		97387	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3123	3123	3123
SJ 28-7 #420	300392511900:FT	97164	810	16495	8038	7200	5084	5483	6059	5936	6181	5628	4883	71797	5667	2736	4878	4970	7073	25324	97121

Recompleted Wells

Well Name	API #	Meter #	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	92 Sum	Jan	Feb	Mar	Apr	May	93 Sum	Total
SJ 28-7 #12	300390740700:FT	97160	10224	10822	10426	8812	7159	6553	7306	6044	5431	5856	5564	84197	5022	4250	3742	3085	4067	20166	104363
SJ 28-7 #63	300390712300:FT	97162	*	2230	1616	1923	1224	1763	1943	1488	120	1806	1918	16031	1666	274	2133	2088	1952	8113	24144
SJ 28-7 #105	300390724200:FT	97161	*	5106	8657	7058	6694	5712	5311	6383	5333	5125	4703	60082	4731	4194	3703	4415	4706	21749	81831
SJ 28-7 #249	300392163600:FT	97371	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4699	12488	17187	17187

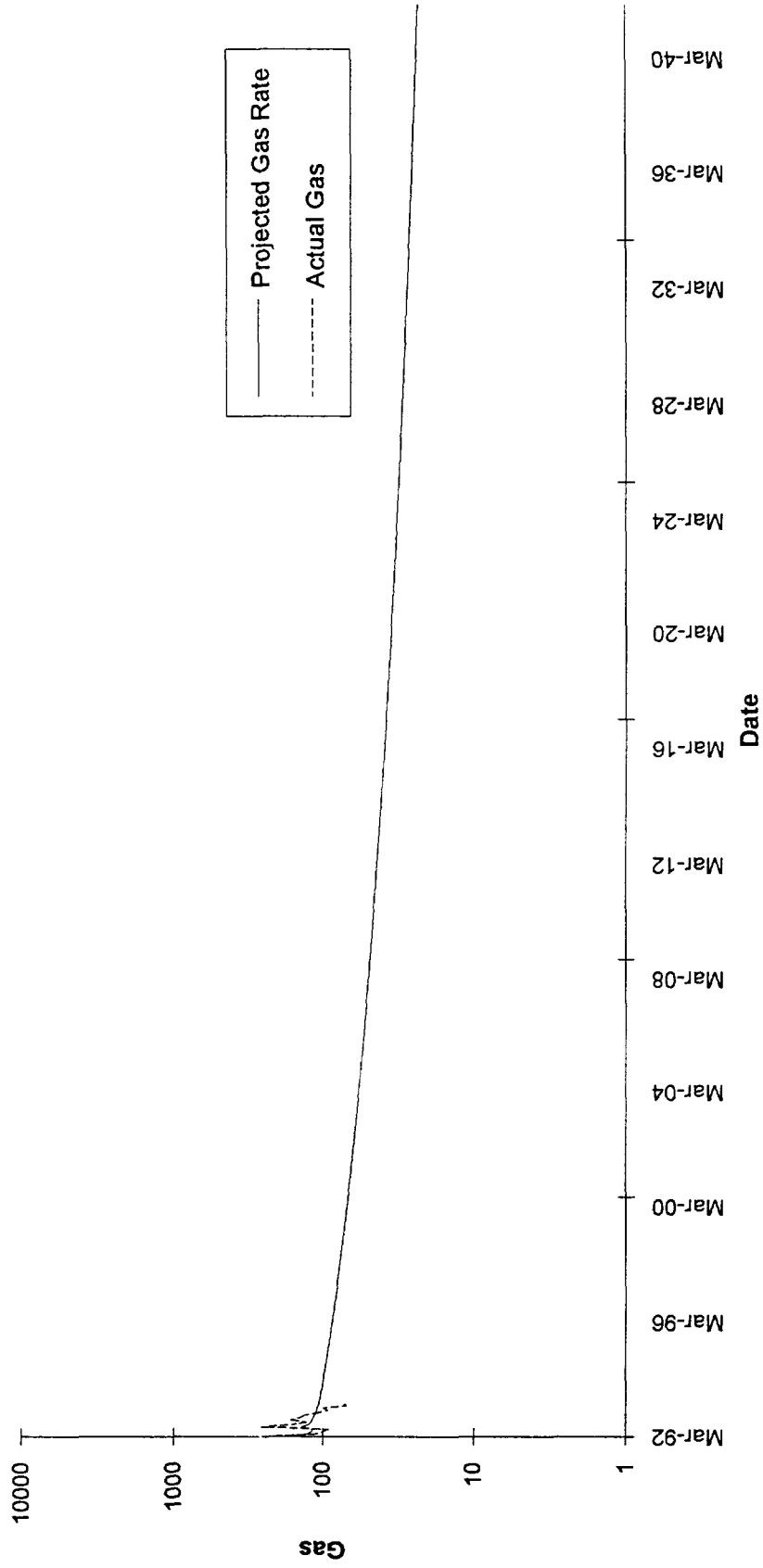
San Juan Unit 28-7 #63 Production Profile



SJ63 : HISTORY MATCH SAN JUAN 28-7 #63**Decline Analysis**

Time (days)	Ave Daily Gas (mcf/d)	Total Gas (year)
364.8	65.80	24017
729.6	53.93	19684
1094.4	51.14	18665
1459.2	49.41	18034
1823.99	48.10	17555
2188.79	46.98	17148
2553.59	45.97	16778
2918.39	45.03	16435
3283.19	44.14	16110
3647.99	43.29	15800
4012.79	42.48	15504
4407.97	41.66	15206
4803.15	40.84	14908
5198.33	40.06	14622
5593.51	39.31	14347
5988.69	38.58	14082
6383.87	37.88	13825
6779.05	37.20	13578
7174.23	36.54	13339
7569.41	35.91	13108
7964.59	35.30	12886
8359.77	34.71	12670
8754.95	34.14	12461
9150.12	33.58	12258
9545.3	33.05	12063
9940.48	32.52	11871
10336	32.02	11687
10731	31.53	11508
11126	31.05	11333
11521	30.58	11163
11916	30.14	11000
12312	29.70	10839
12707	29.27	10683
13102	28.85	10531
13497	28.45	10384
13892	28.06	10240
14287	27.67	10099
14683	27.30	9963
15078	26.93	9830
15473	26.58	9700
15868	26.23	9575
16263	25.90	9454
16659	25.58	9335
17054	25.26	9218
17449	24.95	9106
17844	24.64	8995
18239	24.35	8887

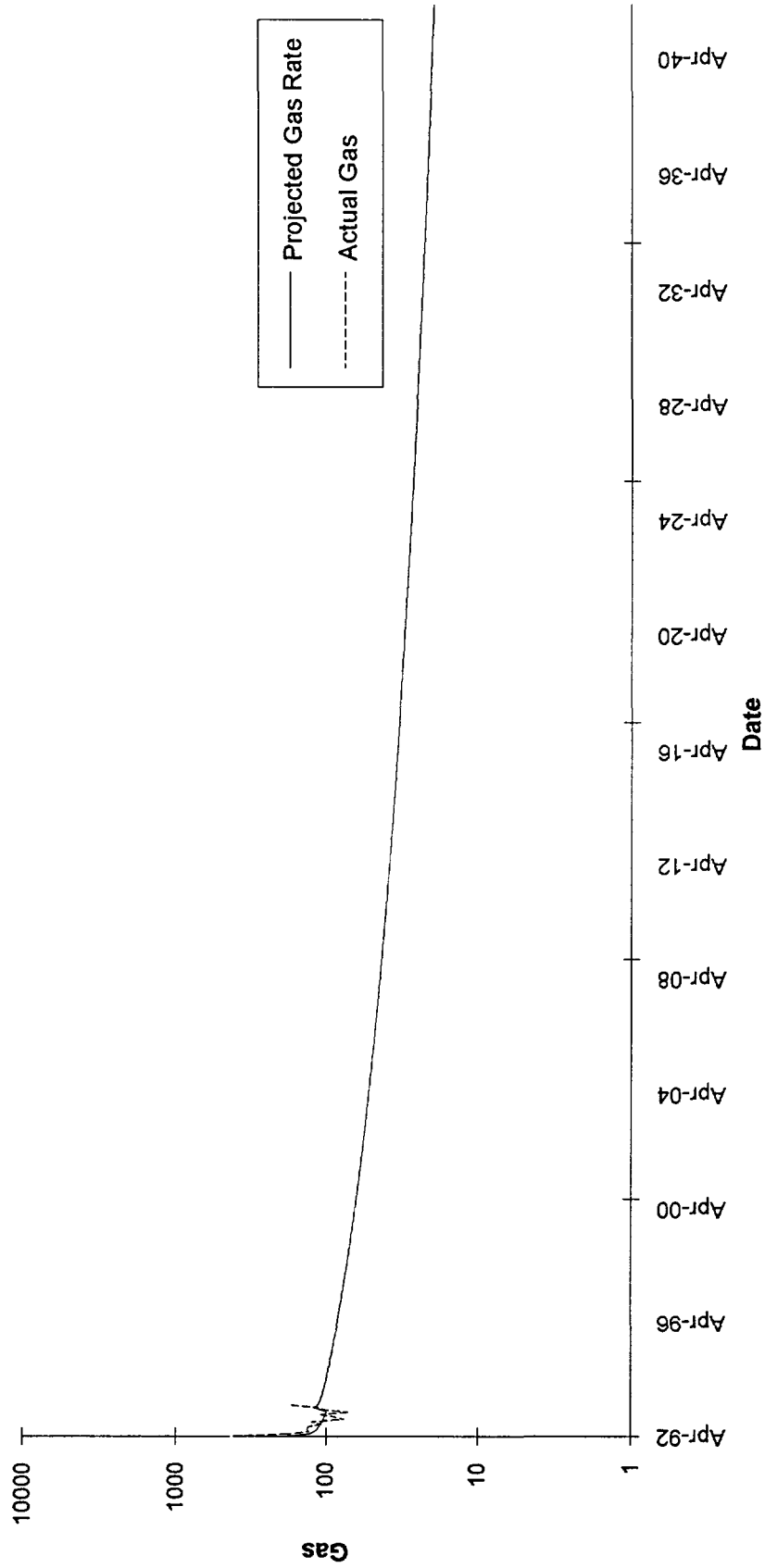
San Juan Unit 28-7 #402 Production Profile



WELL402 : HISTORY MATCH SAN JUAN 28-7 #402**Decline Analysis**

Time (days)	Ave Daily Gas (mcf/d)	Total Gas (year)
364.8	125.35	45753
729.6	103.87	37912
1094.4	95.71	34933
1459.2	89.38	32622
1823.99	83.90	30624
2188.79	79.07	28860
2553.59	74.84	27317
2918.39	71.04	25931
3283.19	67.60	24673
3647.99	64.48	23537
4012.79	61.64	22499
4407.97	58.92	21506
4803.15	56.34	20563
5198.33	54.06	19730
5593.51	51.98	18974
5988.69	50.06	18270
6383.87	48.26	17616
6779.05	46.60	17008
7174.23	45.04	16438
7569.41	43.58	15905
7964.59	42.21	15406
8359.77	40.92	14936
8754.95	39.70	14492
9150.12	38.56	14073
9545.3	37.47	13677
9940.48	36.46	13309
10336	35.52	12966
10731	34.62	12638
11126	33.77	12325
11521	32.95	12027
11916	32.17	11741
12312	31.43	11473
12707	30.73	11216
13102	30.05	10969
13497	29.41	10734
13892	28.79	10508
14287	28.19	10289
14683	27.62	10081
15078	27.07	9880
15473	26.54	9689
15868	26.04	9505
16263	25.55	9326
16659	25.08	9156
17054	24.63	8989
17449	24.19	8830
17844	23.77	8677
18239	23.36	8528

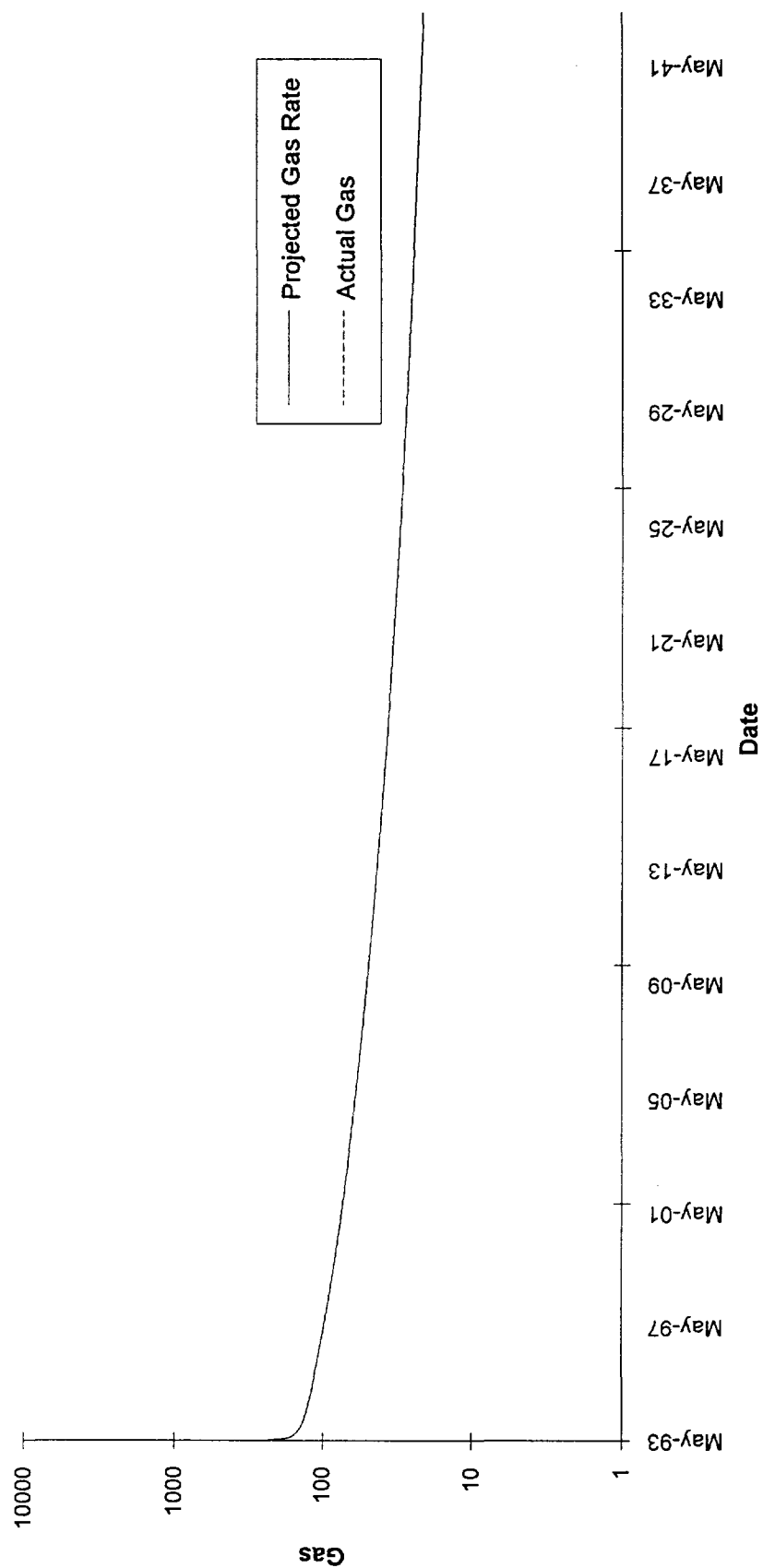
San Juan Unit 28-7 #404 Production Profile



WELL404 : HISTORY MATCH SAN JUAN 28-7 #404**Decline Analysis**

Time (days)	Ave Daily Gas (mcf/d)	Total Gas (year)
364.8	115.74	42247
729.6	107.54	39254
1094.4	96.06	35063
1459.2	88.25	32212
1823.99	81.70	29822
2188.79	76.15	27795
2553.59	71.28	26016
2918.39	67.01	24458
3283.19	63.20	23068
3647.99	59.80	21827
4012.79	56.86	20754
4407.97	54.12	19755
4803.15	51.54	18812
5198.33	49.18	17952
5593.51	47.03	17165
5988.69	45.06	16445
6383.87	43.24	15781
6779.05	41.55	15166
7174.23	39.99	14597
7569.41	38.57	14077
7964.59	37.26	13598
8359.77	36.03	13150
8754.95	34.87	12728
9150.12	33.79	12333
9545.3	32.78	11963
9940.48	31.82	11616
10336	30.92	11286
10731	30.06	10973
11126	29.26	10678
11521	28.49	10400
11916	27.77	10135
12312	27.08	9884
12707	26.42	9645
13102	25.80	9416
13497	25.20	9198
13892	24.63	8991
14287	24.09	8792
14683	23.56	8601
15078	23.06	8418
15473	22.59	8245
15868	22.13	8077
16263	21.69	7916
16659	21.26	7760
17054	20.85	7611
17449	20.46	7468
17844	20.08	7329
18239	19.72	7196

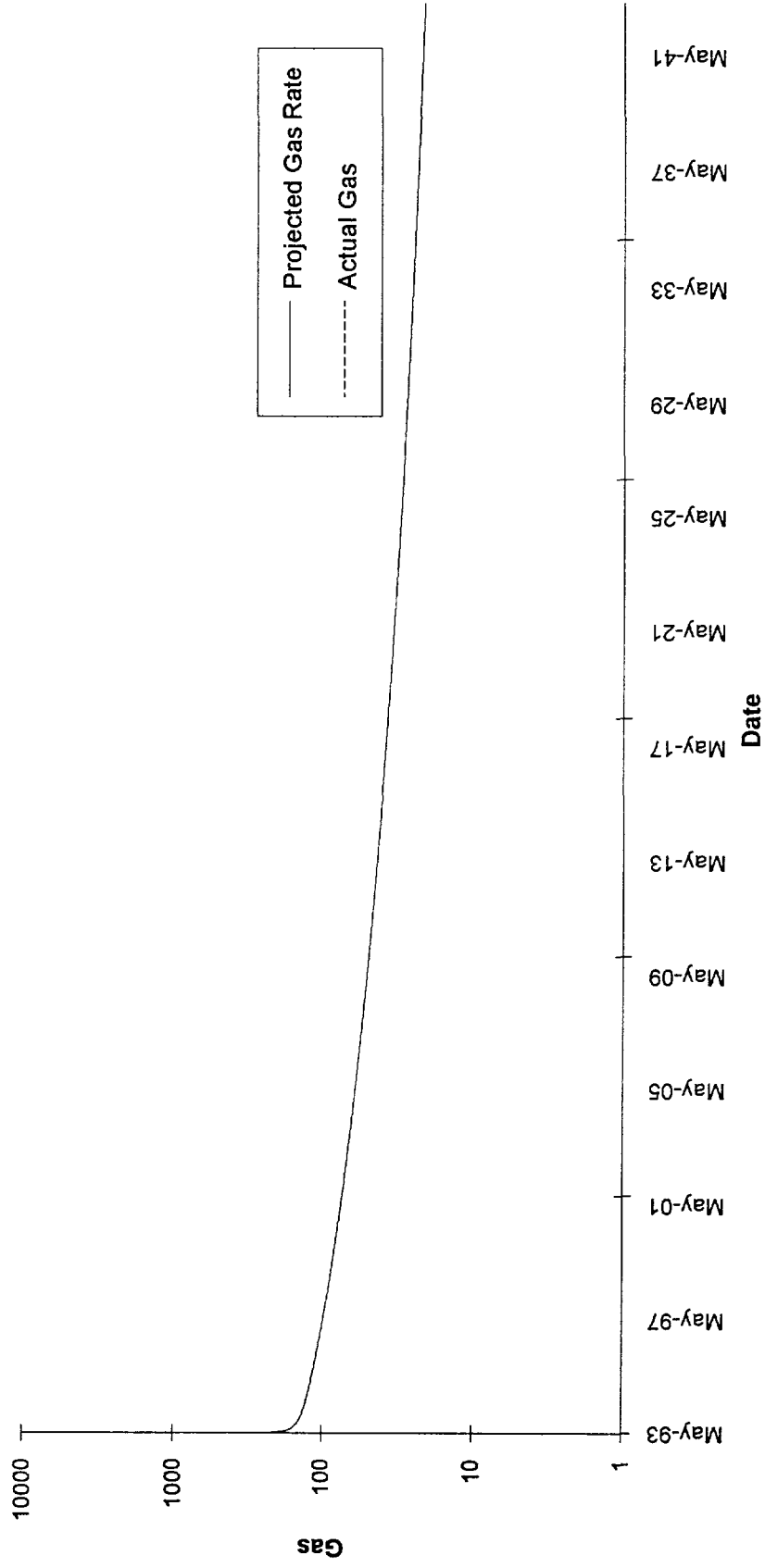
San Juan Unit 28-7 #413 Production Profile



WELL413 : HISTORY MATCH SAN JUAN 28-7 #413**Decline Analysis**

Time (days)	Ave Daily Gas (mcf/d)	Total Gas (year)
364.8	151.98	55471
729.6	123.07	44921
1094.4	111.73	40781
1459.2	102.72	37491
1823.99	95.08	34704
2188.79	88.46	32289
2553.59	82.75	30204
2918.39	77.74	28374
3283.19	73.29	26750
3647.99	69.32	25300
4012.79	65.74	23995
4407.97	62.38	22770
4803.15	59.23	21618
5198.33	56.37	20576
5593.51	53.77	19625
5988.69	51.39	18758
6383.87	49.21	17962
6779.05	47.20	17228
7174.23	45.34	16549
7569.41	43.62	15920
7964.59	42.01	15333
8359.77	40.51	14785
8754.95	39.10	14273
9150.12	37.79	13793
9545.3	36.56	13343
9940.48	35.40	12920
10336	34.33	12530
10731	33.32	12160
11126	32.36	11811
11521	31.45	11480
11916	30.60	11168
12312	29.78	10871
12707	29.01	10589
13102	28.28	10321
13497	27.59	10071
13892	26.95	9837
14287	26.34	9616
14683	25.76	9401
15078	25.19	9195
15473	24.66	8999
15868	24.14	8810
16263	23.64	8629
16659	23.16	8453
17054	22.70	8287
17449	22.26	8125
17844	21.84	7970
18239	21.42	7820

San Juan Unit 28-7 #417 Production Profile



WELL417 : HISTORY MATCH SAN JUAN 28-7 #417**Decline Analysis**

Time (days)	Ave Daily Gas (mcf/d)	Total Gas (year)
364.8	151.98	55471
729.6	123.07	44921
1094.4	111.73	40781
1459.2	102.72	37491
1823.99	95.08	34704
2188.79	88.46	32289
2553.59	82.75	30204
2918.39	77.74	28374
3283.19	73.29	26750
3647.99	69.32	25300
4012.79	65.74	23995
4407.97	62.38	22770
4803.15	59.23	21618
5198.33	56.37	20576
5593.51	53.77	19625
5988.69	51.39	18758
6383.87	49.21	17962
6779.05	47.20	17228
7174.23	45.34	16549
7569.41	43.62	15920
7964.59	42.01	15333
8359.77	40.51	14785
8754.95	39.10	14273
9150.12	37.79	13793
9545.3	36.56	13343
9940.48	35.40	12920
10336	34.33	12530
10731	33.32	12160
11126	32.36	11811
11521	31.45	11480
11916	30.60	11168
12312	29.78	10871
12707	29.01	10589
13102	28.28	10321
13497	27.59	10071
13892	26.95	9837
14287	26.34	9616
14683	25.76	9401
15078	25.19	9195
15473	24.66	8999
15868	24.14	8810
16263	23.64	8629
16659	23.16	8453
17054	22.70	8287
17449	22.26	8125
17844	21.84	7970
18239	21.42	7820

**SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO**

**Working Interest Owners
Fruitland Coal**

Conoco Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500
Attn: Mr. Alan R. Hannifin
Land Department

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289
Attn: Ms. Linda Donahue
Land Department

Thelma Ford Simmons Estate
P.O. Box 1469
Farmington, NM 87499-1469
Attn: DJ Simmons Company

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76102-4941

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952



August 13, 1993

8-20-93
D-Unit letter
Tux Rg

Southern

Rockies

Business

Unit

New Mexico State Land Office
Oil and Gas Development
P.O. Box 1148
Santa Fe, NM 87301-1148

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2008

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

File: JLV-013-416

Re: San Juan 28-7 Unit #14-08-001-459; well #s 12, 403, 105, 407, 420, 408, 409, & 249
Rio Arriba County, New Mexico
Application for Approval of Participating Area for the Fruitland Coal Formation

Amoco Production Company, as Unit Operator, pursuant to provisions of Section 11 of the Operating Agreement, submits for your approval the following described land to constitute the initial participating area for the Fruitland Coal producing formation:

W/2 of Section 17, T28N-R07W

In addition, Amoco is submitting for your approval the following described lands to constitute the first thru third revisions of the participating area for the Fruitland Coal formation.

First Expansion

E/2 Section 14, T28N-R7W

W/2 Section 31, T28N-R7W

Second Expansion

E/2 Section 23, T28N-R7W

W/2 Section 23, T28N-R7W

W/2 Section 24, T28N-R7W

E/2 Section 27, T28N-R7W

W/2 Section 27, T28N-R7W

Third Expansion

E/2 Section 30, T28N-R7W

In support of this application, the following numbered items are attached and made a part hereof:

- 1) A paying well determination, for each well, showing that the wells upon which the participating area is based are capable of producing unitized substances in paying quantities.
- 2) An ownership map showing thereon the boundaries of the unit area and the proposed participating area.
- 3) A schedule showing the lands entitled to participation in the unitized substances produced from the Fruitland Coal formation, with the percentage of participation of each lease or tract indicated thereon.

August 13, 1993

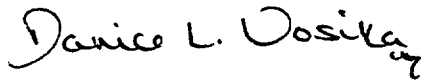
Page 2 of 2

Additionally, geologic maps supporting and justifying the proposed selection of lands for inclusion in the Fruitland Coal participating area are submitted (Attachments 4-6).

This proposed participating area is predicated upon the knowledge and information first obtained upon the completion in paying quantities under the terms of the Unit Agreement of the San Juan 28-7 Unit #12 NP, in the W/2 of Section 17, T28N-R07W. The effective date of this initial area shall be November 1, 1991, pursuant to Section 11, Part A of the Unit Agreement.

Amoco Production Company respectfully requests your approval of the above selection of lands to constitute the Fruitland Coal participating area, effective as of September 13, 1993. If you should have any questions, please contact Cristina Zogorski, at (303) 830-4118.

Sincerely,

A handwritten signature in black ink that reads "J. L. Vosika". The signature is written in a cursive, flowing style.

J. L. Vosika
Resource Manager

JLV/caz

Attachments

cc: Fruitland Coal Working Interest Owners
Ken McPhee, Denver



RAY B. POWELL
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

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

SLO REF NO. OG-1312

June 28, 1993

Amoco Production Company
P.O. Box 800
1670 Broadway
Denver, Colorado 80201

Attn: Ms. Cristina Zogorski

Re: 1993 Plan of Development
San Juan 28-7 Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY B. POWELL
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

RBP/FOP/pm
cc: OCD
BLM



June 11, 1993

OIL CONSERVATION DIVISION
DENVER

JUN 11 1993 8 53

Southern

Rockies

Business

Unit

New Mexico State Land Office
Oil and Gas Development
P.O. Box 1148
Santa Fe, NM 87301-1148

Bureau of Land Management
435 Montano Road NE
Albuquerque, NM 87107

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attn: Mr. John L. Keller

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2008

File: JLV-011-416

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1993 Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1993 Plan of Development. The plan proposes the drilling of two Mesaverde wells and five dual Mesaverde/Dakota wells. Additionally, the redrilling of the San Juan 28-7 #238 (DK) well is proposed.

Due to the timing of this proposal, all affected Working Interest Owners (see attachment) are being contacted in concurrence with this proposal.

If this Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company, at the address below, to the attention of Cristina Zogorski.

If you should have any questions regarding this letter, or need additional information, please contact Cristina Zogorski at (303) 830-4118.

Sincerely,

J. L. Vosika
Resource Manager

JLV/caz

Attachments

cc: San Juan 28-7 Unit Working Interest Owners

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1993 Plan of Development

The following wells are proposed for drilling during the 1993 calendar year:

<u>Location</u>	<u>Target</u>
SE/4 Sec. 20 T28N-R7W	Mesaverde and Dakota
SE/4 Sec. 25 T28N-R7W	Mesaverde and Dakota
NW/4 Sec. 28 T28N-R7W	Mesaverde and Dakota
NW/4 Sec 31 T28N-R7W	Mesaverde and Dakota
SE/4 Sec. 36 T28N-R7W	Mesaverde and Dakota
SE/4 Sec. 19 T28N-R7W	Mesaverde
NW/4 Sec. 20 T28N-R7W	Mesaverde

The following well is proposed for redrilling during the 1993 calendar year:

<u>Well</u>	<u>Location</u>	<u>Target</u>
San Juan 28-7 #238	SW/4 Sec. 29 T28N-R7W	Dakota

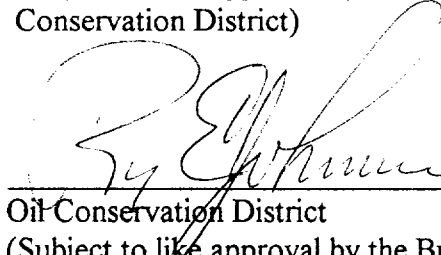
Amoco Production Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells subsequently deemed necessary or desirable by the Unit Operator and the Working Interest Owners.

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1993 Plan of Development

APPROVED: _____ Dated: _____
Bureau of Land Management
(Subject to like approval by the Commissioner of Public Lands and the Oil
Conservation District)

APPROVED: _____ Dated: _____
Commissioner of Public Lands
(Subject to like approval by the Bureau of Land Management and the Oil
Conservation District)

APPROVED:  _____ Dated: 7-1-93
Oil Conservation District
(Subject to like approval by the Bureau of Land Management and the
Commissioner of Public Lands)

The foregoing approvals are for the 1993 Plan of Development for the San Juan 28-7
Unit, #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO

ADDRESS LIST
JUNE 10, 1993

CONOCO INC
10 DESTA DRIVE
SUITE 100W
MIDLAND TX 79705-4500

TEXACO PRODUCING INC
ATTN LAND DEPARTMENT
P O BOX 3109
MIDLAND TX 79702

MERIDIAN OIL INC
LAND DEPARTMENT
P O BOX 4289
FARMINGTON NM 87499-4289

ELIZABETH J TURNER-CALLOWAY
4801 SAINT JOHNS DRIVE
DALLAS TX 75205-3143

MESA OPERATING LTD PARTNERSHIP
P O BOX 200666
HOUSTON TX 77216

J GLENN TURNER JR
3131 TURTLE CREEK BLVD
SUITE 1201
DALLAS TX 75219

W G PEAVY OIL COMPANY
221 WOODCREST
P O BOX 5567
RICHARDSON TX 75083

J MCLAUGHLIN
UNIV OF TX LAW SCHOOL FOUNDATION
727 EAST 26TH STREET
AUSTIN TX 78736

THE WISER OIL COMPANY
P O BOX 640454
PITTSBURGH PA 15264-0454

UNOCAL 28-7s
P O Box 3100
MIDLAND TX 79707

R J MILLER
KOCH EXPLORATION
P O BOX 2256
WICHITA KS 67201-2256

JOHN LEE TURNER
P O BOX 797215
DALLAS TX 75379-7215

KATHLEEN MCLANE TRUST
P O BOX 214430
DALLAS TX 75221-4430

MICHAEL S MCLANE TRUST
P O BOX 214430
DALLAS TX 75221-4430

MARY F TURNER
AMERITRUST TEXAS
P O BOX 951412
DALLAS TX 752395-1412

DAWN J TURNBULL
9855 ELMCREST DRIVE
DALLAS TX 75238-1831

DERRICK TURNBULL
5847 LAKEHURST AVENUE
DALLAS TX 75230-5031

TEXACO EXP & PRODUCING INC
P O BOX 2100
DENVER CO 80201-2100

CINDY BRADY
2222 FLAT CREEK
RICHARDSON TX 75080

DENISE TURNBULL WILLIAMS
9855 ELMCREST DRIVE
DALLAS TX 75238-1831

MARY JEANNE SIMMONS BANKS
2104 WINTER SUNDAY WAY
ARLINGTON TX 76012

HELEN LOUISE SIMMONS
2429 WABASH
FORT WORTH TX 76109

JUNE SIMMONS LIVELY
3529 BELLAIRE DRIVE NORTH
FORT WORTH TX 76109

CAROLEE SIMMONS SMITH
5717 JACQUELINE ROAD
FORT WORTH TX 76112

**San Juan 28-7 Unit
Rio Arriba County, New Mexico**

1993 Plan of Development

1992 Operations Summary

In 1992, Amoco Production Company, as Unit Operator, drilled two new Fruitland Coal wells and recompleted one well to the Fruitland Coal from an existing marginal wellbore.

The attached figures, 1 thru 5, are base maps for the four participating areas: Dakota, Mesaverde, Pictured Cliffs, Chacra and Fruitland Coal. The geologic interpretation for each formation has not changed since the last map submitted.

Number of Completions

	<u>Participating</u>		<u>Non-Participating</u>		
	<u>Active</u>	<u>Inactive</u>	<u>Active</u>	<u>Inactive</u>	<u>P&A</u>
Dakota	116	1	2	0	1
Mesaverde	96	2	2	0	5
Pictured Cliffs	85	1	5	0	9
Chacra	18	0	2	1	7
Fruitland Coal	<u>0</u>	<u>0</u>	<u>13</u>	<u>0</u>	<u>2</u>
TOTAL:	315	4	24	1	24

Well Status

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

	<u>Participating</u>	<u>Non-Participating</u>
Dakota	116	2
Mesaverde	62	2
Pictured Cliffs	41	4
Chacra	7	3
Fruitland Coal	0	14
Dual Wells:		
PC/MV	34	0
PC NP/MV	1	0
PC/CK	11	0
MV/DK	1	0
Plugged and Abandoned	19	5

Performance Curves

Performance Curves for each formation are presented by figures 6 thru 9. These summary plots do not include non-participating wells within the unit boundary.

FIGURE 1

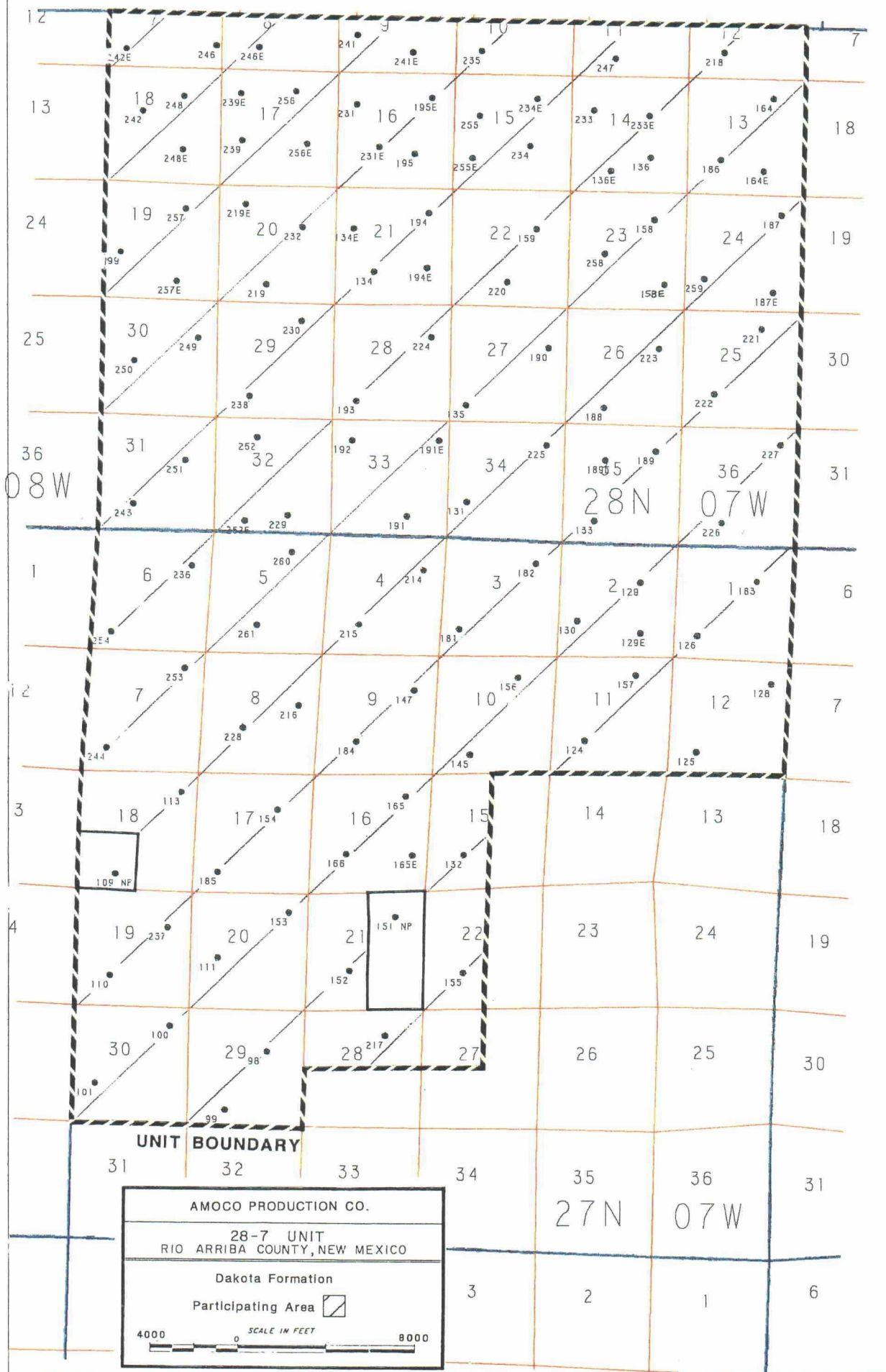


FIGURE 2

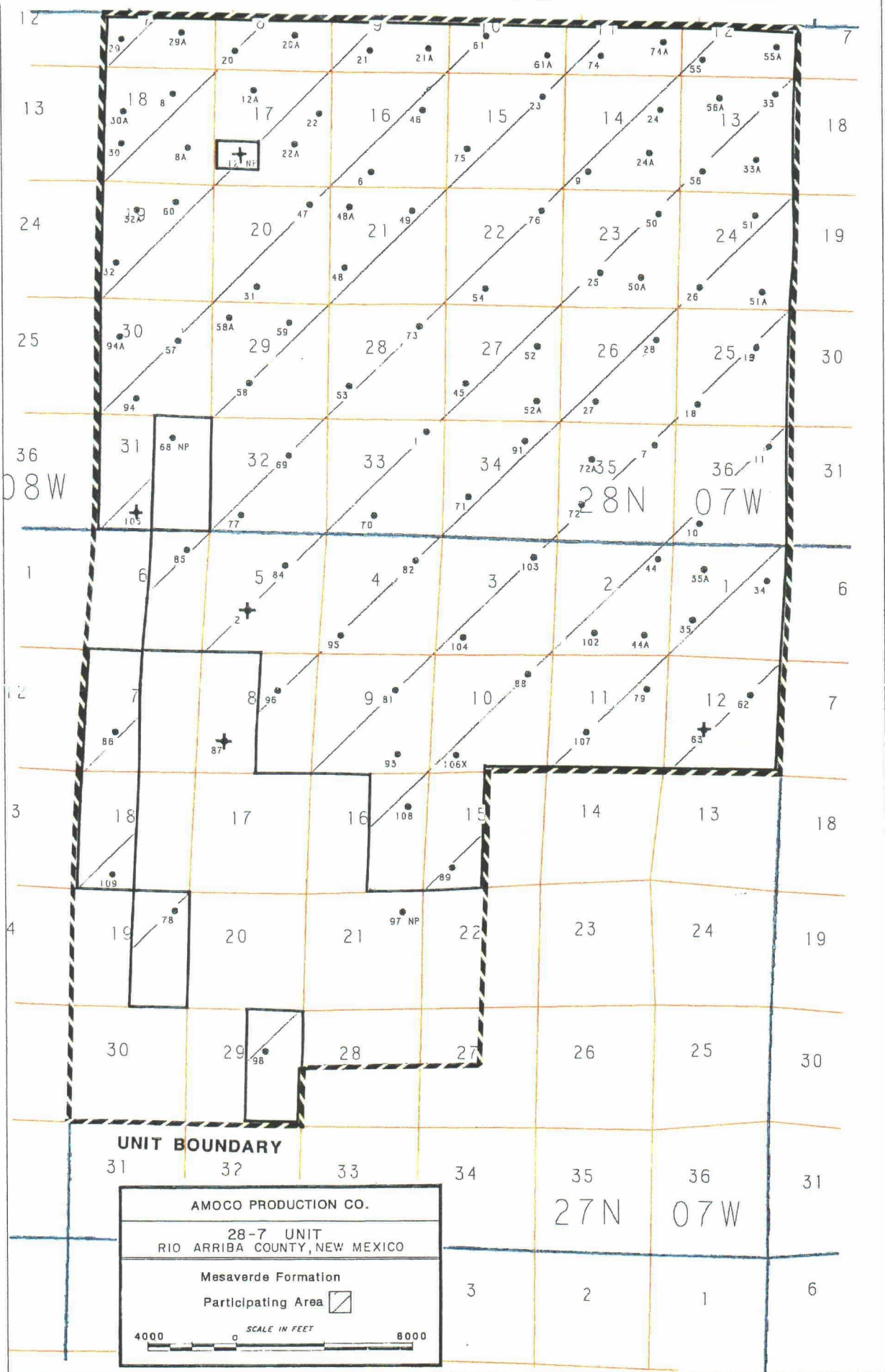


FIGURE 3

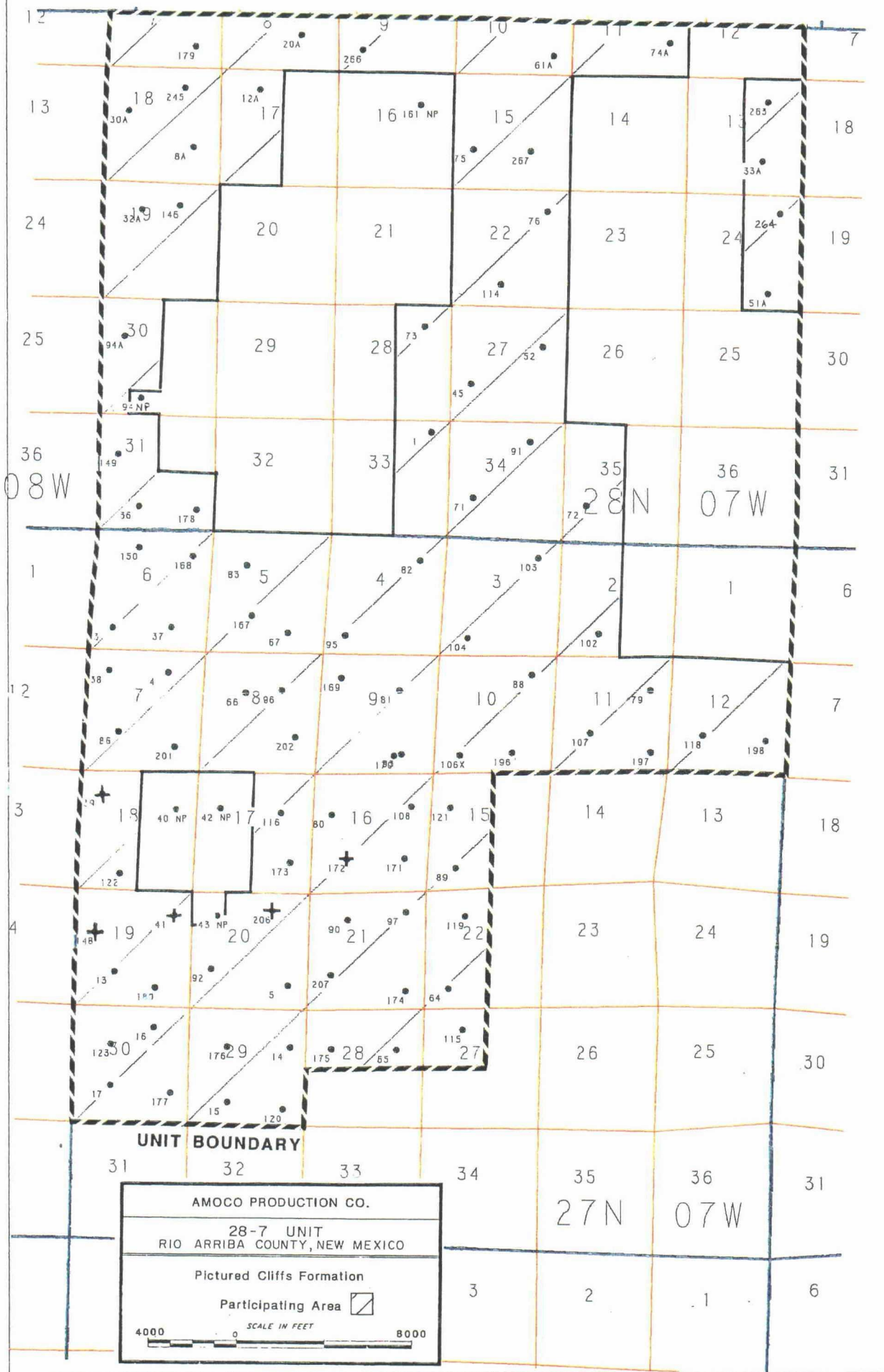


FIGURE 4

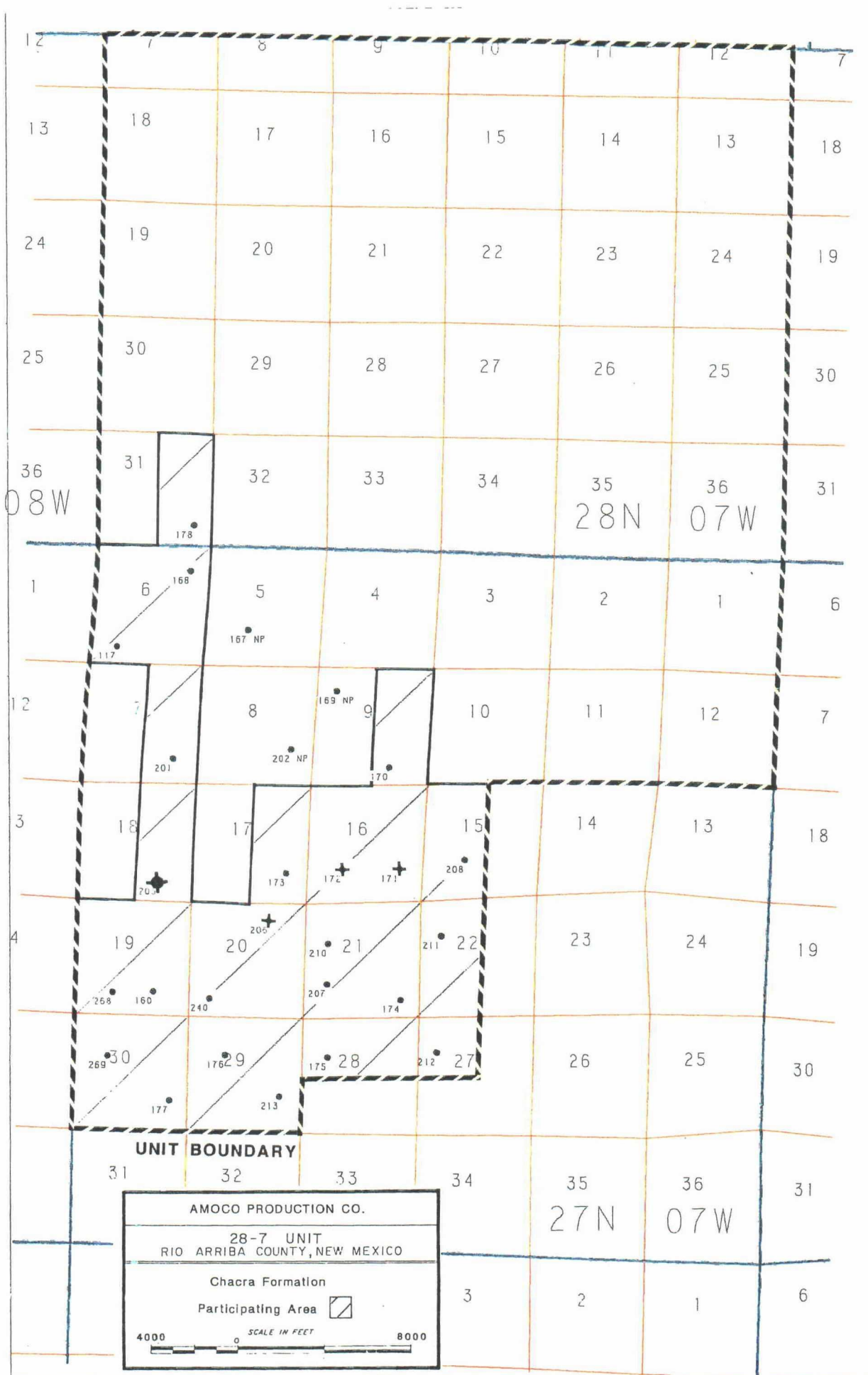
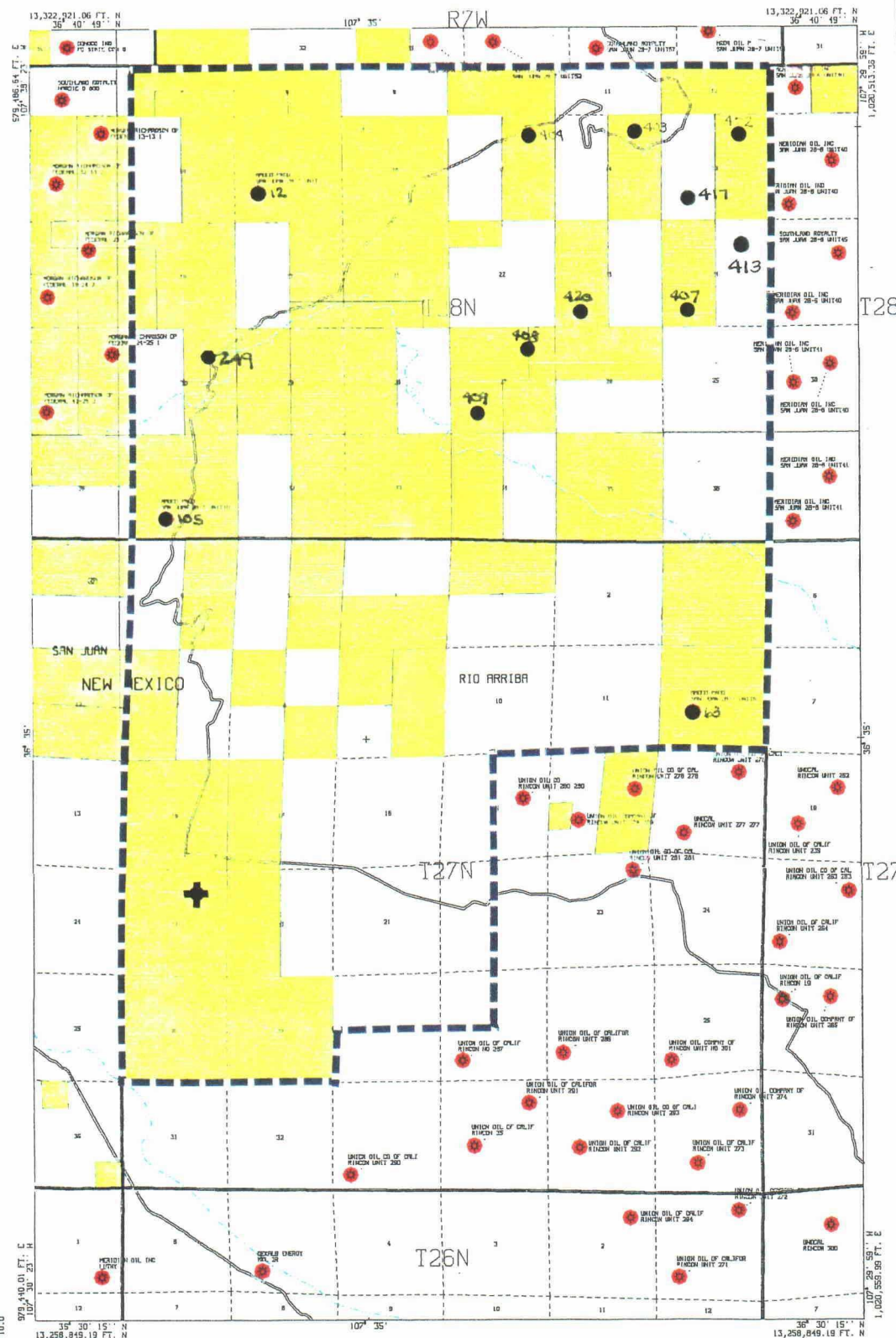
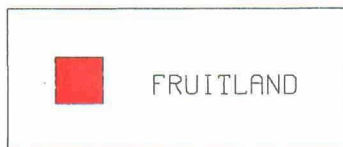


FIGURE 5



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

POLYCONIC CENTRAL MERIDIAN - 107° 34' 11" N LONG
SPHEROID - 6



AMOCO PRODUCTION COMPANY
SAN JUAN 28-7 UNIT
FRUITLAND FORMATION
SCALE 1 IN. = 4,000 FT. FEB 14, 1992

HORIZONTAL DATUM NAD27

04504500-804-02045 02037

San Juan 28-7 Unit
Rio Arriba County, New Mexico
Summary of Dakota Well Production

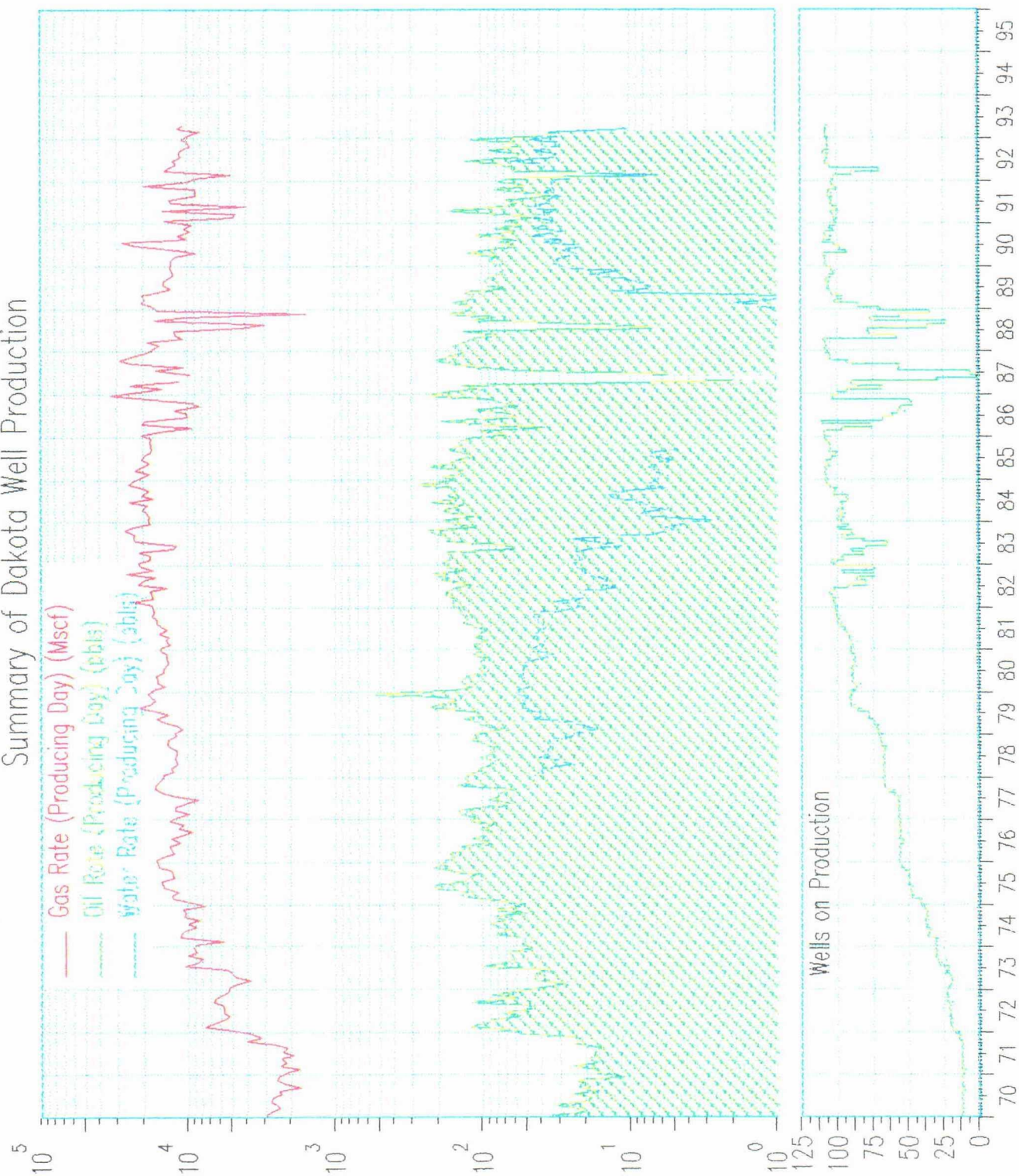


Figure 6

San Juan 28-7 Unit
 Rio Arriba County, New Mexico
 Summary of Mesaverde Well Production

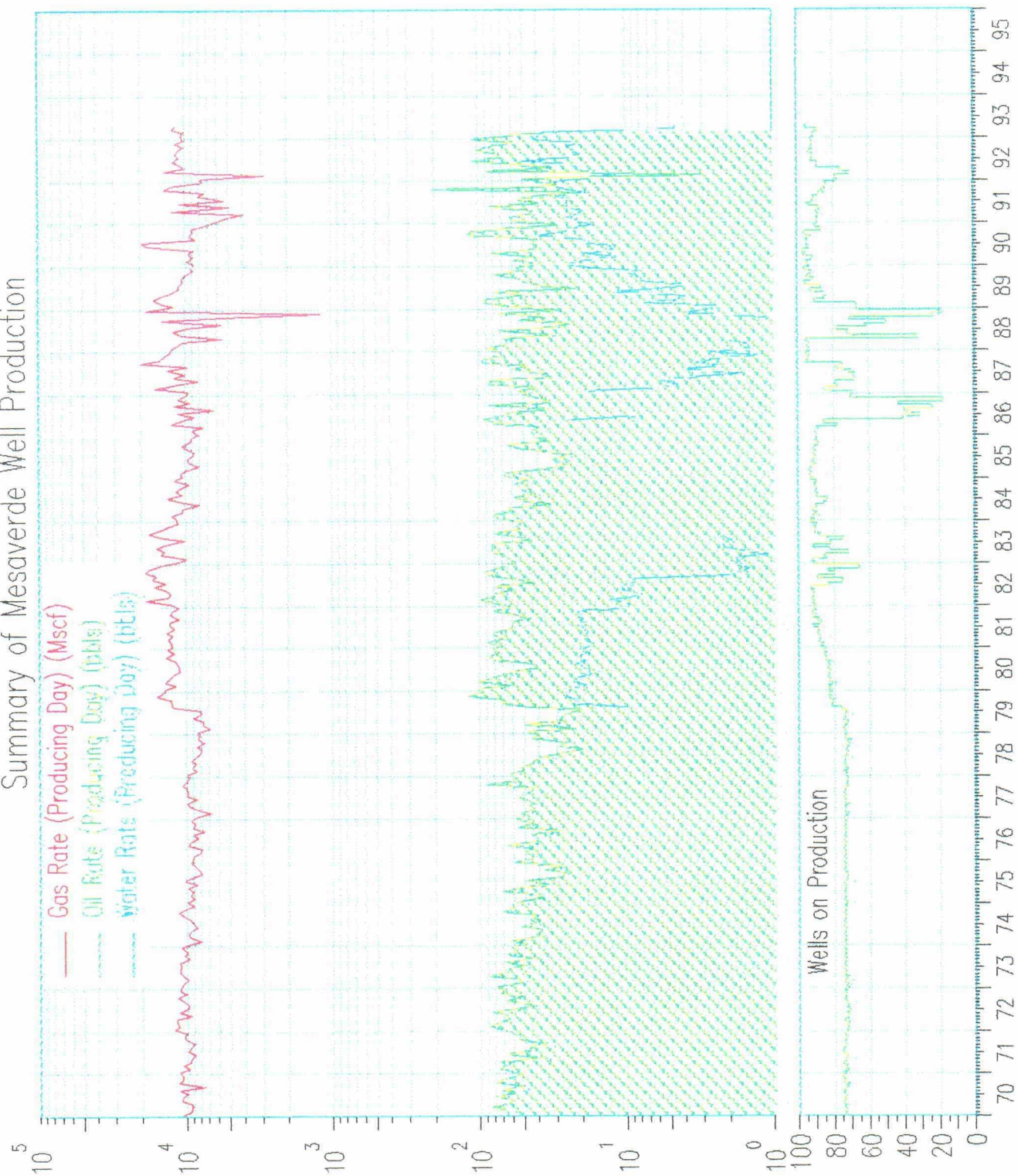


Figure 7

San Juan 28-7 Unit
Rio Arriba County, New Mexico

Summary of Pictured Cliffs Well Production

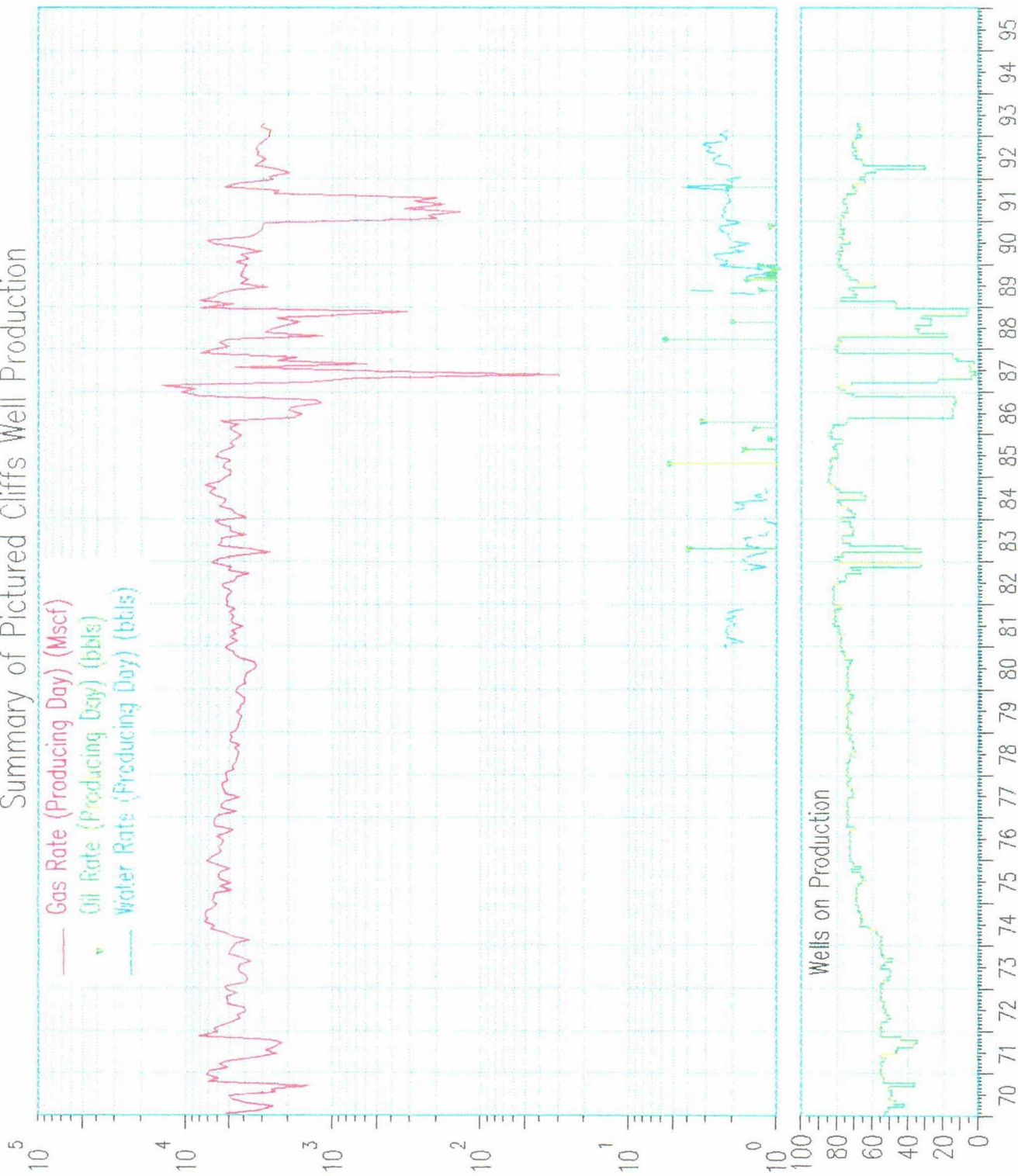


Figure 8

San Juan 28-- / Unit
Rio Arriba County, New Mexico
Summary of Chacra Well Production

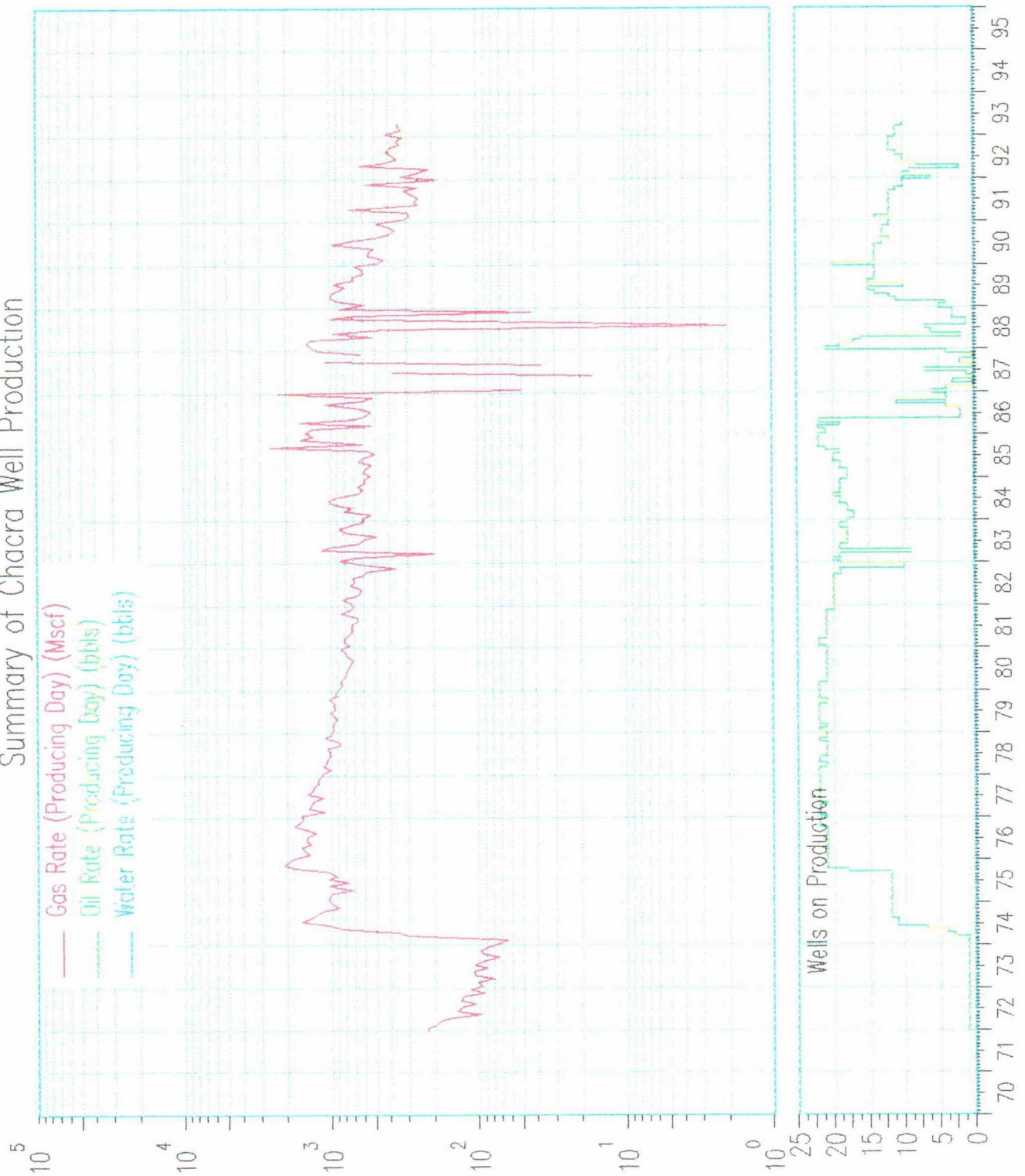


Figure 9



May 31, 1993

Southern

Rockies

Business

Unit

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
Expansion of Participating Area for the Fruitland Coal Formation

Amoco Production Company, as Unit Operator, is investigating the actions and information necessary to expand the Fruitland Coal Participating Area, for the purpose of implementing the Nitrogen Injection Project. This letter will serve to confirm discussions and correspondence between Bill Hawkins of our Denver office and Duane Spencer of the Farmington BLM office, and establish the applicability of IBLA Decision 86-259 in the San Juan 28-7 Unit.

Amoco proposes that the following described lands, upon which the wells will be used for the purpose of injection, be admitted into and constitute the 4th Expansion of the Fruitland Coal Participating Area:

W/2 of Section 14, T28N-R07W
E/2 of Section 22, T28N-R07W

The 4th Expansion would be effective the first day of the month following completion of two injection wells, one to be drilled on each half-section.

Additionally, Amoco proposes that the Participating Area be expanded to include the following two drill blocks that are currently producing but not included in the Fruitland Coal Participating Area:

W/2 of Section 13, T28N-R07W	San Juan 28-7 Unit #417
E/2 of Section 15, T28N-R07W	San Juan 28-7 Unit #404

Addition of these lands would constitute the 5th Expansion of the participating area and would be effective upon the initiation of nitrogen injection.

The proposed 4th and 5th Revisions are necessary in order to implement the enhanced recovery project within the Unit. The Nitrogen Injection Project will improve the recovery of the reserves within the Participating Area and will cause methane underlying the injection well blocks to sweep to the surrounding producing wells. The majority of surrounding wells are located within the Participating Area, but two wells fall outside the Participating Area. Additionally, it is believed that these two wells, as a result of enhanced coalbed methane recovery techniques, will demonstrate the capacity to produce in paying quantities.

Amoco feels that admission of the above described 4th and 5th Expansions of the Fruitland Coal Participating Area is necessary to protect the correlative rights of the owners of those tracts that are not currently in the Participating Area, but which will be drained as a result of the injection of nitrogen; and also the owners of tracts in the Participating Area from drainage by non-Participating Area offset producing wells that will respond to the nitrogen injection. Additionally, this allows for the interests in the project area to be consolidated as required in NMOCD Order No. R-10113.

In support of this proposal, a map outlining the proposed expansions has been attached, as well as, a copy of the exhibit booklet from the NMOCD Hearing. Following is a brief explanation of each exhibit:

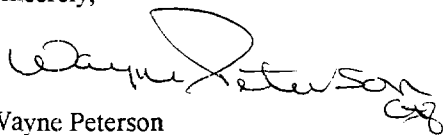
- Exhibit 1: Map of the San Juan 28-7 Unit outlining the Fruitland Coal Participating Area and the Nitrogen Injection Project area. The locations of the three proposed injection wells are indicated by the blue triangles. These injection wells immediately offset developed drill blocks.
- Exhibit 1a: Summary of the working interest ownership within the Fruitland Coal PA and a breakdown of the working interest ownership within each individual drill block that has been proposed to be added to the current Participating Area.
- Exhibit 3: Map of the Pictured Cliff Structure shows a gentle dip through the project area which indicates no presence of faulting or other barrier to flow.
- Exhibit 4 - 5: The Cross Sections show the injection zone is composed of two main coalbed seams with four to six coalbed stringers interspersed with sand and shale stringers. Across the project area, the seams have good continuity and injection into the coalbed would be expected to influence all of the offset producing wells.
- Exhibit 6: Map of the Total Fruitland Coal Thickness within the project shows generally thick coal.
- Exhibit 7: In support of the Enhanced Coalbed Methane process, Exhibit 7 shows the results of lab testing, in which recovery of the methane adsorbed to the coal reached 86%. This recovery rate is significantly higher than what would be obtained by typical pressure depletion methods.
- Exhibit 8: Exhibit 8 shows the results of the recently completed Nitrogen Injection Pilot, in Colorado, in which the average daily production increased from an average of 200 mcf/d to 1000 mcf/d within a short period of time. A response similar to this would be expected in the SJ 28-7 Unit, taking non-paying wells into a paying well status.
- Exhibit 9: Outline of the project details showing an expected injection rate of 3.0 - 4.5 mmcf/d with a corresponding increase in methane production of 3.0 - 4.0 mmcf/d during an injection period of 2 - 4 years.

May 31, 1994

Page 3 of 3

Amoco Production Company respectfully requests that you confirm the requirements needed for expansion and identify any other information or actions you believe are necessary for the 4th and 5th Expansions to be approved. If you should have any questions, please contact Julie Talbot, at (303) 830-4844.

Sincerely,

A handwritten signature in cursive script, appearing to read "Wayne Peterson", with a small "caz" written below the name.

Wayne Peterson
Resource Manager

WLP/caz

Attachments

cc: Fruitland Coal Working Interest Owners
New Mexico State Land Office
Oil Conservation Commission
Fruitland Coal Study Team
Bill Hawkins, Denver
Lara Kwartin, Denver
Julie Talbot, Denver

**SAN JUAN 28-7 UNIT
RIO ARriba COUNTY, NEW MEXICO**

**Working Interest Owners
Fruitland Coal**

Conoco Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500
Attn: Mr. Alan R. Hannifin
Land Department

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289
Attn: Ms. Linda Donahue
Land Department

Thelma Ford Simmons Estate
P.O. Box 1469
Farmington, NM 87499-1469
Attn: DJ Simmons Company

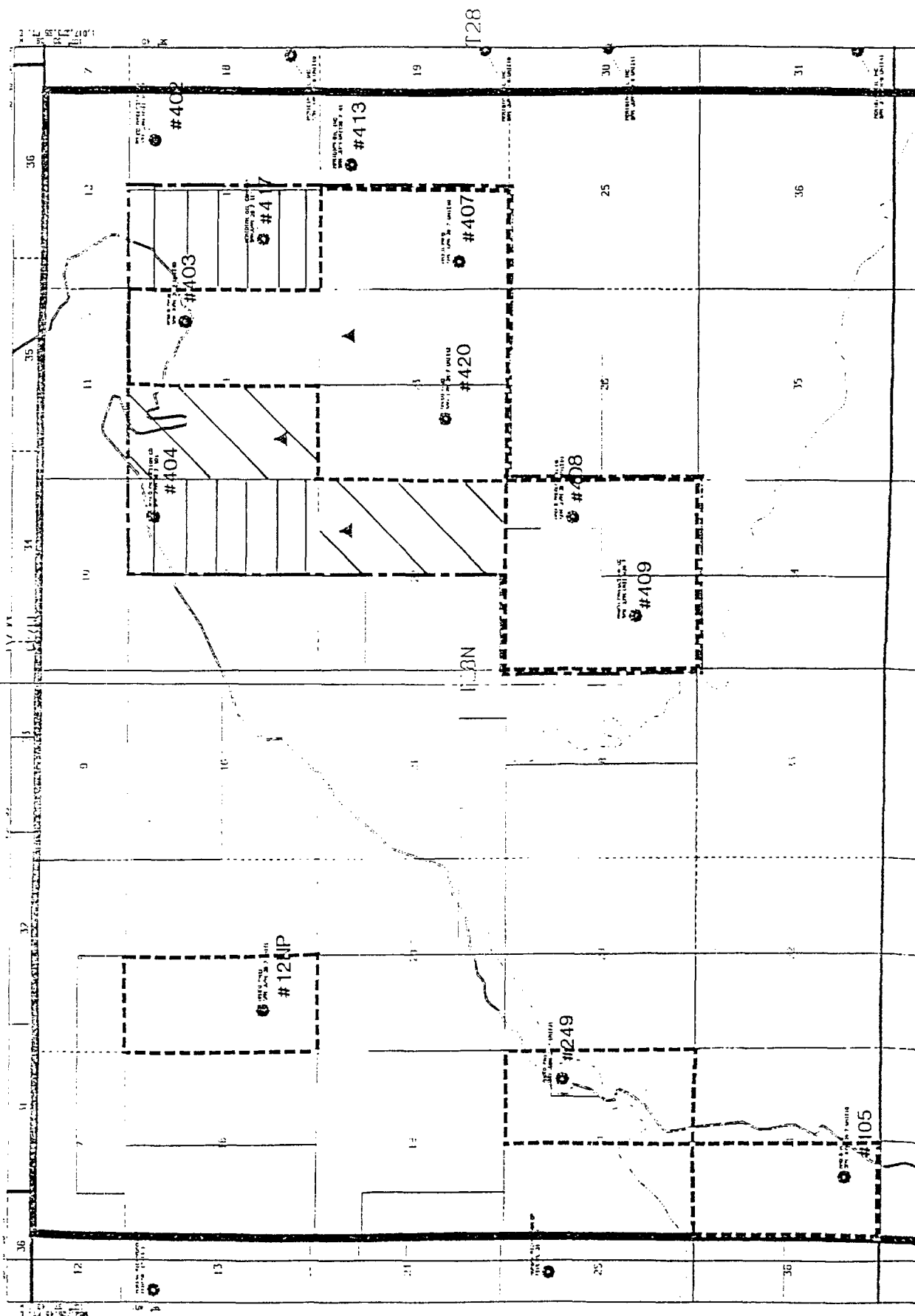
Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109-1018

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109-2110

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76102-4941

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112-3952

San Juan 28-7 Unit Nitrogen Injection Project



-  Proposed 4th Expansion
-  Proposed 5th Expansion
-  Injection Well
-  Fruitland Coal Production Well



OIL CONSERVATION DIVISION
RECEIVED

Southern

Rockies

Business

Unit

10-19-92

October 9, 1992

*D-
Unit letter
Tax
Ry*

Bureau of Land Management
P.O. Box 1449
Santa Fe, NM 87301

Bureau of Land Management
435 Montano Road NE
Albuquerque, NM 87107

New Mexico State Land Office
Oil and Gas Development
P.O. Box 1148
Santa Fe, NM 87301-1148

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2008

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attn: Mr. John L. Keller

File: AJA-030-416

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1992 Revised Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1992 Revised Plan of Development for the San Juan 28-7 Unit. The plan proposes the recompletion of two wells from existing marginal wellbores, to the Fruitland Coal. All affected working interest owners have been contacted and the approval provisions of the Unit Operating Agreement have been followed.

If this Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company, at the address below, to the attention of Barbara Sturgeon.

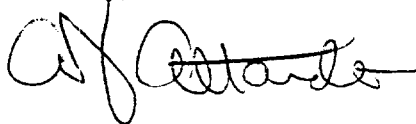
Copies of this letter have been sent to the working interest owners shown on the attached sheet.

October 9 1992

Page 2 of 2

Due to the short timeframe in which to recomplete these two wells before year end, your immediate response is appreciated. If you should have any questions regarding this letter, please contact Cristina Zogorski, in Denver, at (303) 830-4118.

Sincerely,

A handwritten signature in black ink, appearing to read "A. J. Attardo". The signature is fluid and cursive, with a long horizontal stroke at the end.

A. J. Attardo
Resource Manager

AJA/caz

Attachments

San Juan 28-7 Unit
Rio Arriba County, New Mexico
1992 Revised Plan of Development

The following two wells are proposed for recompletion before the end of 1992:

<u>Well</u>	<u>Location</u>	<u>Current Horizon</u>	<u>Target Horizon</u>
SJ 28-7 Unit #238	SW/4 Sec 29 T28N-R7W	Basin Dakota	Fruitland Coal
SJ 28-7 Unit #249	NE/4 Sec 30 T28N-R7W	Basin Dakota	Fruitland Coal

The following wells, approved earlier this year, will not be drilled during the 1992 calendar year.

<u>Location</u>	<u>Target Horizon</u>
NE/4 Sec 25 T28N-R7W	Fruitland Coal
SW/4 Sec 25 T28N-R7W	Fruitland Coal
SW/4 Sec 26 T28N-R7W	Fruitland Coal

The following wells, approved earlier this year, will not be recompleted during the 1992 calendar year.

<u>Well</u>	<u>Location</u>	<u>Current Horizon</u>	<u>Target Horizon</u>
SJ 28-7 Unit #64	SW/4 Sec 22 T27N-R7W	Pictured Cliffs	Fruitland Coal
SJ 28-7 Unit #90	NW/4 Sec 21 T27N-R7W	Pictured Cliffs	Fruitland Coal

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

ADDRESS LIST
San Juan 28-7 Unit
October 9, 1992

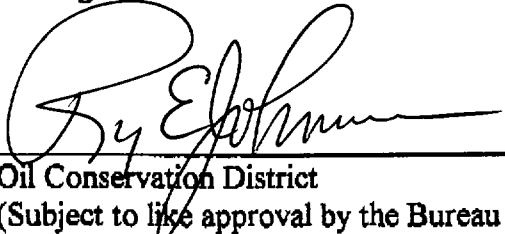
Conoco, Inc.
10 Desta Drive
Suite 100W
Midland, TX 79705-4500

Attention: Mr. Alan Hannifin

1992 Revised Plan of Development
San Juan 28-7 Unit

APPROVED: _____ Dated: _____
Bureau of Land Management
(Subject to approval by the Commissioner of Public
Lands and the Oil Conservation District)

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

APPROVED:  _____ Dated: 11-20-92
Oil Conservation District
(Subject to like approval by the Bureau of Land
Management and the Commissioner of Public Lands)

The foregoing approvals are for the 1992 Revised Plan of Development for the San Juan
28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.



JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

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

SLO REF NO. OG-1194

September 28, 1992

Amoco Production Company
P.O. Box 800
Denver, Colorado 80201

Attn: Wayne Peterson

Re: 1992 Plan of Development
San Juan 28-7
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm
cc: OCD
BLM



OIL CONSERVATION DIVISION
RECEIVED

'92 MAR 25 AM 9 11

Southern

Rockies

Business

Unit

March 20, 1992

Bureau of Land Management
P.O. Box 1449
Santa Fe, NM 87301

Bureau of Land Management
P.O. Box 6770
Albuquerque, NM 87197-6770

New Mexico State Land Office
Oil and Gas development
P.O. Box 1148
Santa Fe, NM 87301-1148

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2008

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attention: Mr. John L. Keller

File: WLP-112-416

San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1992 Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1992 Plan of Development for the Sam Juan 28-7 Unit. The plan proposes the drilling of 6 Fruitland Coal Wells, and the recompletion of two wells from existing marginal wellbores, to the Fruitland Coal. All affected working interest owners have been contacted and the approval provisions of the Unit Operating Agreement have been followed.

If this Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company at the above address to the attention of Melissa Bialas.

Copies of this letter have been sent to the working interest owners shown on the attached sheet.

Please direct any questions regarding this correspondence to Melissa Bialas at (303) 830-4694.

Wayne Peterson

Attachments

28-7 Unit
 Rio Arriba County, New Mexico
1992 Drilling and Recompletion Program

The following wells are proposed for drilling during the 1992 calendar year:

<u>Location</u>	<u>Target</u>
SW/4 Sec. 13 T28N R7W	Fruitland Coal
NE/4 Sec. 24 T28N R7W	Fruitland Coal
NE/4 Sec. 25 T28N R7W	Fruitland Coal
SW/4 Sec. 25 T28N R7W	Fruitland Coal
NE/4 Sec. 26 T28N R7W	Fruitland Coal
SW/4 Sec. 26 T28N R7W	Fruitland Coal

The following wells are proposed for recompletion during the 1992 calendar year:

<u>Well</u>	<u>Location</u>	<u>Current Horizon</u>	<u>Target Horizon</u>
San Juan 28-7 #64	SW/4 Sec. 22 T27N R7W	Pictured Cliffs	Fruitland Coal
San Juan 28-7 #90	NW/4 Sec. 21 T27N R7W	Pictured Cliffs	Fruitland Coal

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

MDB/mlg/92004.MDB

San Juan 28-7 Unit, #14-08-001-459
Rio Arriba County, New Mexico
1992 Plan of Development
March 20, 1992

1991 Operations Summary

In 1991, Amoco Production Company, as operator of the San Juan 28-7 Unit, drilled seven new Fruitland coal wells and recompleted four other wells to the Fruitland coal from existing marginal wellbores.

The attached figures 1-4 are base maps for the four participating areas: Dakota, Mesaverde, Pictured Cliffs, and Chacra. The geologic interpretation for each formation has not changed since the last map submitted. Figure 5 is a map showing the Fruitland coal wells drilled this past year.

Number of Completions

	<u>Participating</u>		<u>Non-Participating</u>		<u>P & A</u>
	<u>Active</u>	<u>Inactive</u>	<u>Active</u>	<u>Inactive</u>	
Dakota	116	2	2	0	0
Mesaverde	96	2	2	0	5
Pictured Cliffs	85	4	5	0	6
Chacra	18	3	2	1	4
Fruitland Coal	<u>0</u>	<u>0</u>	<u>10</u>	<u>1</u>	<u>0</u>
TOTAL	315	11	21	2	15

Well Status

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

	<u>Participating</u>	<u>Non-Participating</u>
Dakota (DK)	117	2
Mesaverde (MV)	62	2
Pictured Cliffs (PC)	44	4
Chacra (CK)	10	3
Duals, PC/MV	34	0
PC NP/MV	1	0
PC/CK	11	0
MV/DK	1	0
Plugged and Abandoned	10	5
Fruitland Coal	<u>0</u>	<u>11</u>
	290	27

Performance Curves

Performance Curves for each formation are presented by Figures 6-9. These summary plots do not include non-participating wells within the unit boundary.

ADDRESS LIST
San Juan 28-7 Unit
March 20, 1992

Conoco, Inc.
One Lakeview Energy Center
3817 NW Expressway
Oklahoma City, OK 73112

Meridian Oil, Inc.
Land Department
P.O. Box 4289
Farmington, NM 87499-4289

Mesa Operating Ltd Partnership
P.O. Box 200666
Houston, TX 77216

W. G. Peavy Oil Company
221 Woodcrest, P.O. Box 5567
Richardson, TX 75083

The Wiser Oil Company
P.O. Box 640454
Pittsburgh, PA 15264-0454

UNOCAL 28-7s
P.O. Box 3100
Midland, TX 79702

R. J. Miller
Koch Exploration
P.O. Box 2256
Wichita, KS 67201-2256

Mary F. Turner
Ameritrust Texas
P.O. Box 951412
Dallas, TX 75395-1412

Dawn J. Turnbull
9855 Elmcrest Drive
Dallas, TX 75238-1831

Derrick Turnbull
5847 Lakehurst Avenue
Dallas, TX 75230-5031

Texaco Producing, Inc.
Land Department
P.O. Box 3109
Midland, TX 79702

Elizabeth J. Turner-Calloway
4801 Saint Johns Drive
Dallas, TX 75205-3143

J. Glenn Turner, Jr.
500 Trammell Crow
2001 Ross Avenue
Dallas, TX 75201-2916

J. McLaughlin
University of Texas Law School
Foundation
727 East 26th Street
Austin, TX 78736

John Lee Turner
P.O. Box 797215
Dallas, TX 75379-7215

Kathleen McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Michael S. McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Cindy Brady
2222 Flat Creek
Richardson, TX 75080

Denise Turnbull Williams
9855 Elmcrest Drive
Dallas, TX 75238-1831

Texaco Expl. & Prod.
P.O. Box 2100
Denver, CO 80201-2100

ADDRESS LIST--San Juan 28-7 Unit
March 20, 1992
Page 2

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76012

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109

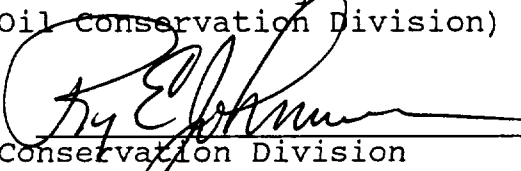
Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112

MDB/mlg/92002.MDB

1992 Plan of Development
San Juan 28-7 Unit

APPROVED: _____ DATED: _____
Bureau of Land Management
(Subject to approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

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

APPROVED:  _____ DATED: 3-31-92
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals are for the 1991 Plan of Development for
the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New
Mexico.

FIGURE 1

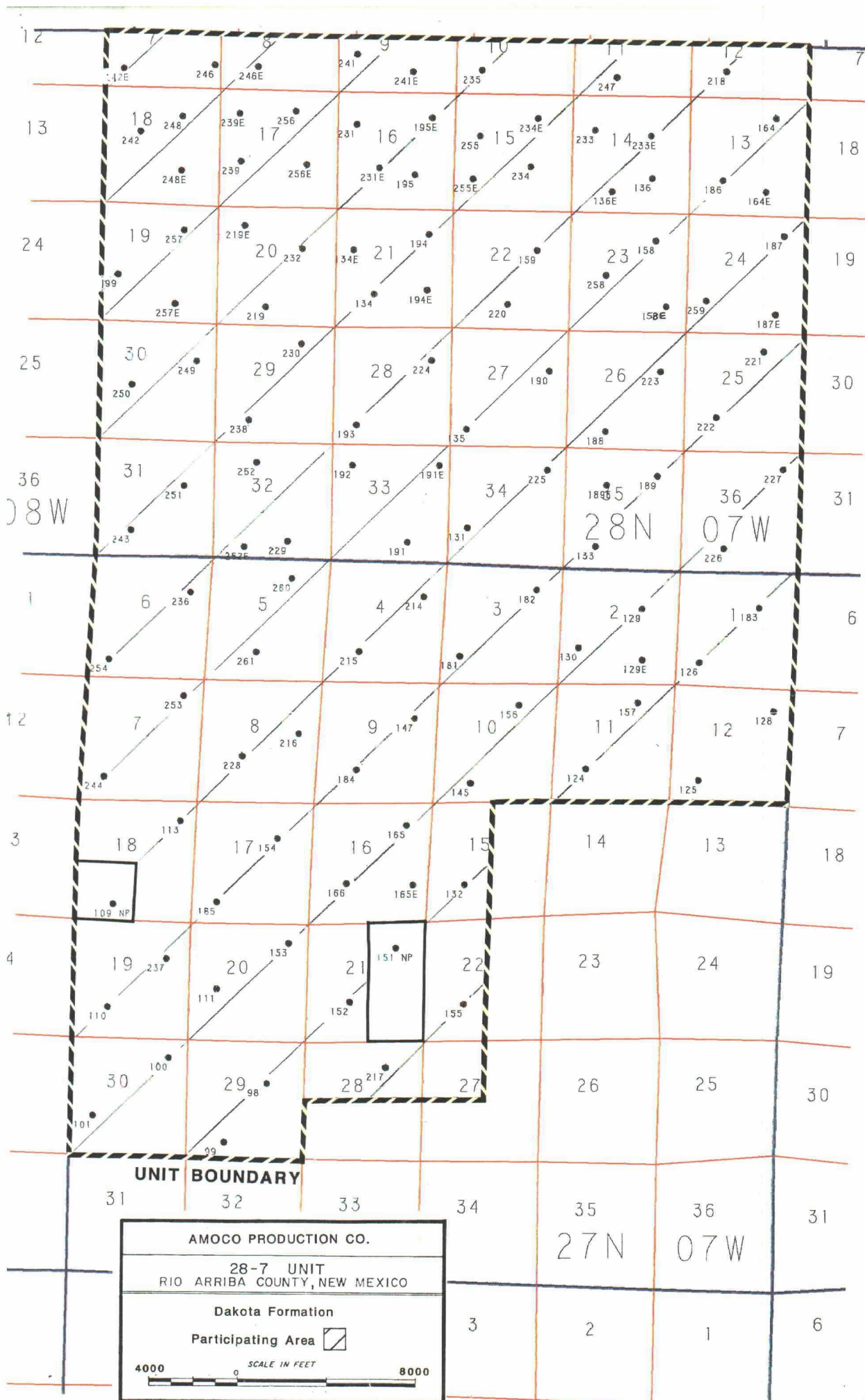


FIGURE 2

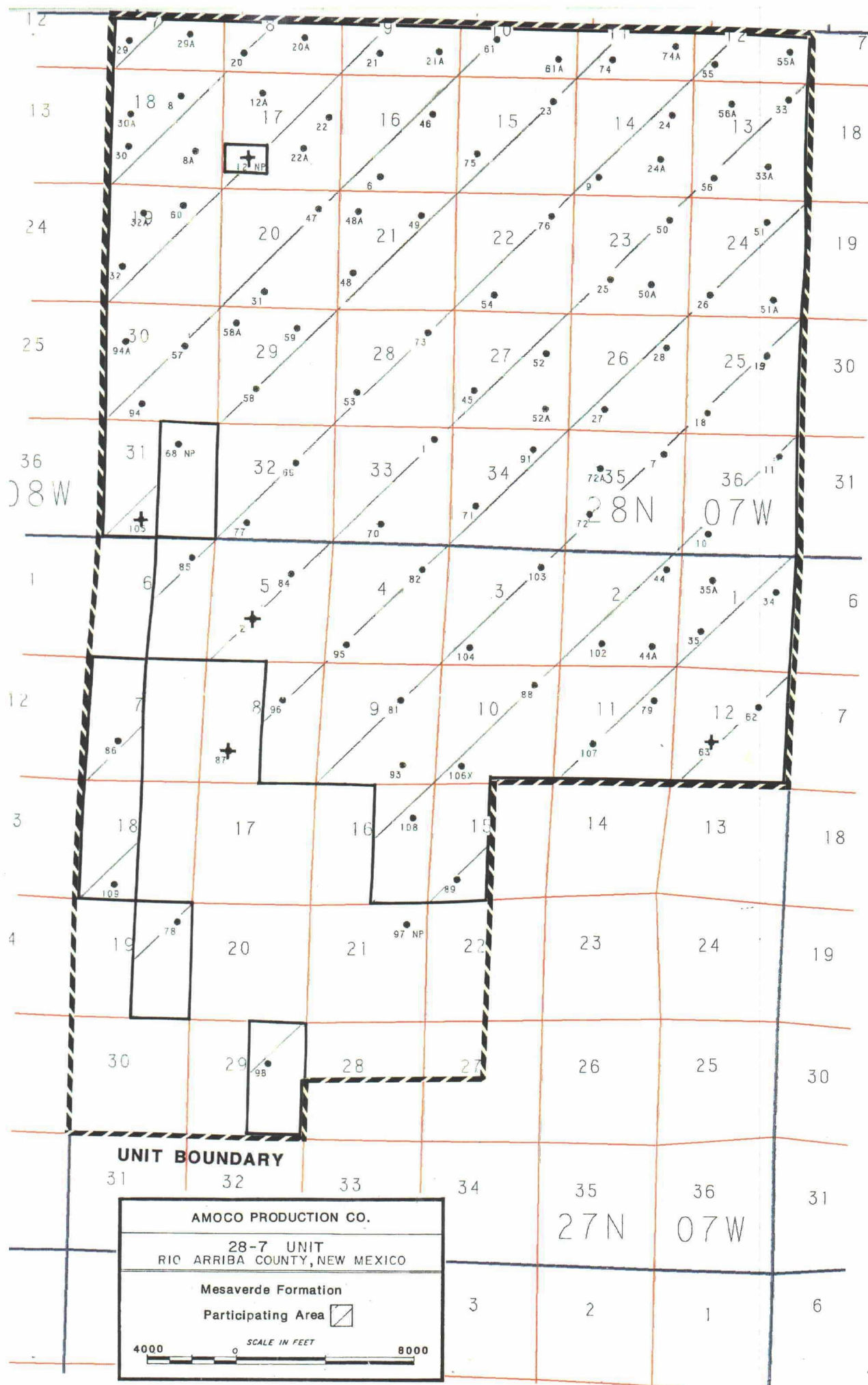


FIGURE 3

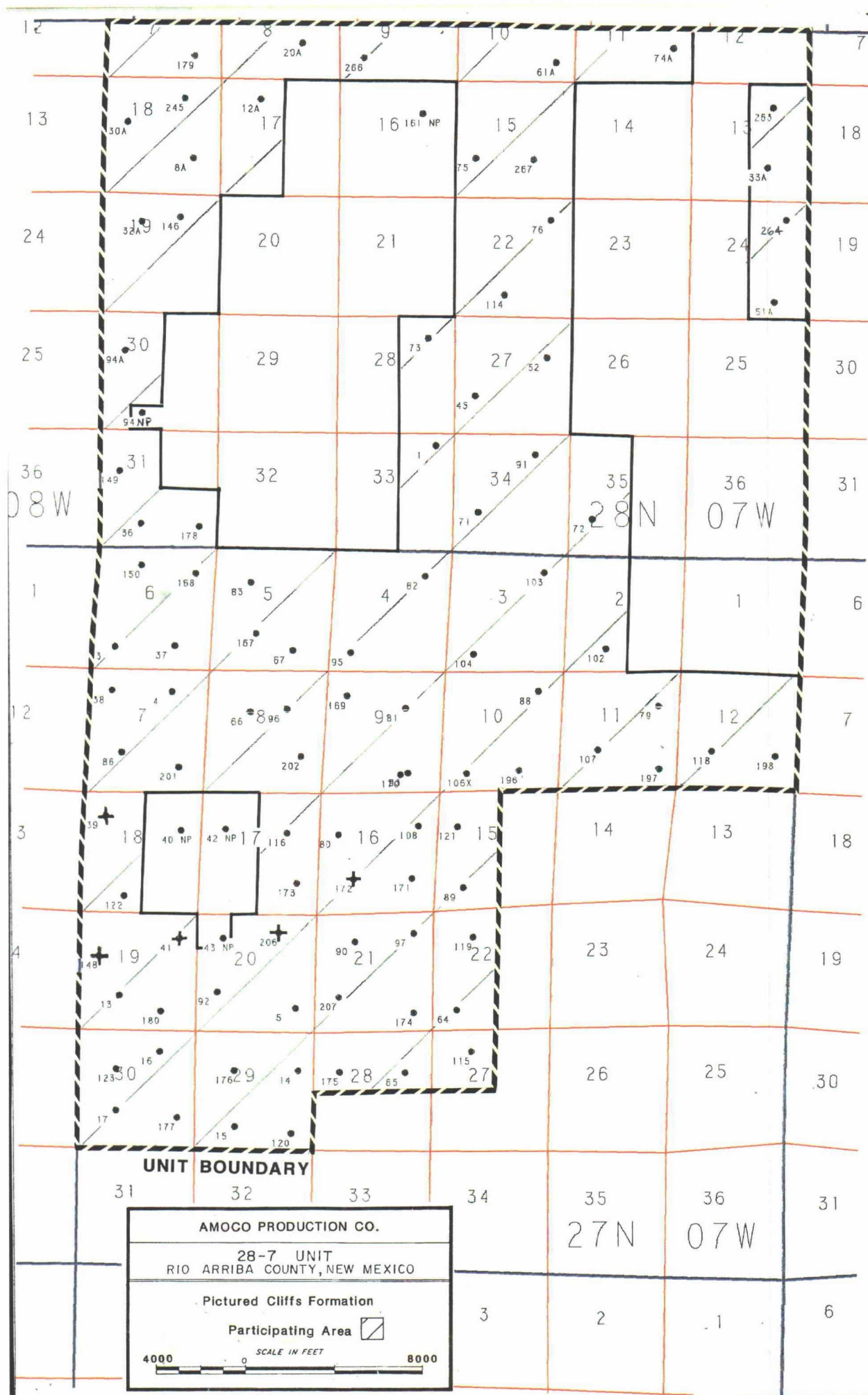
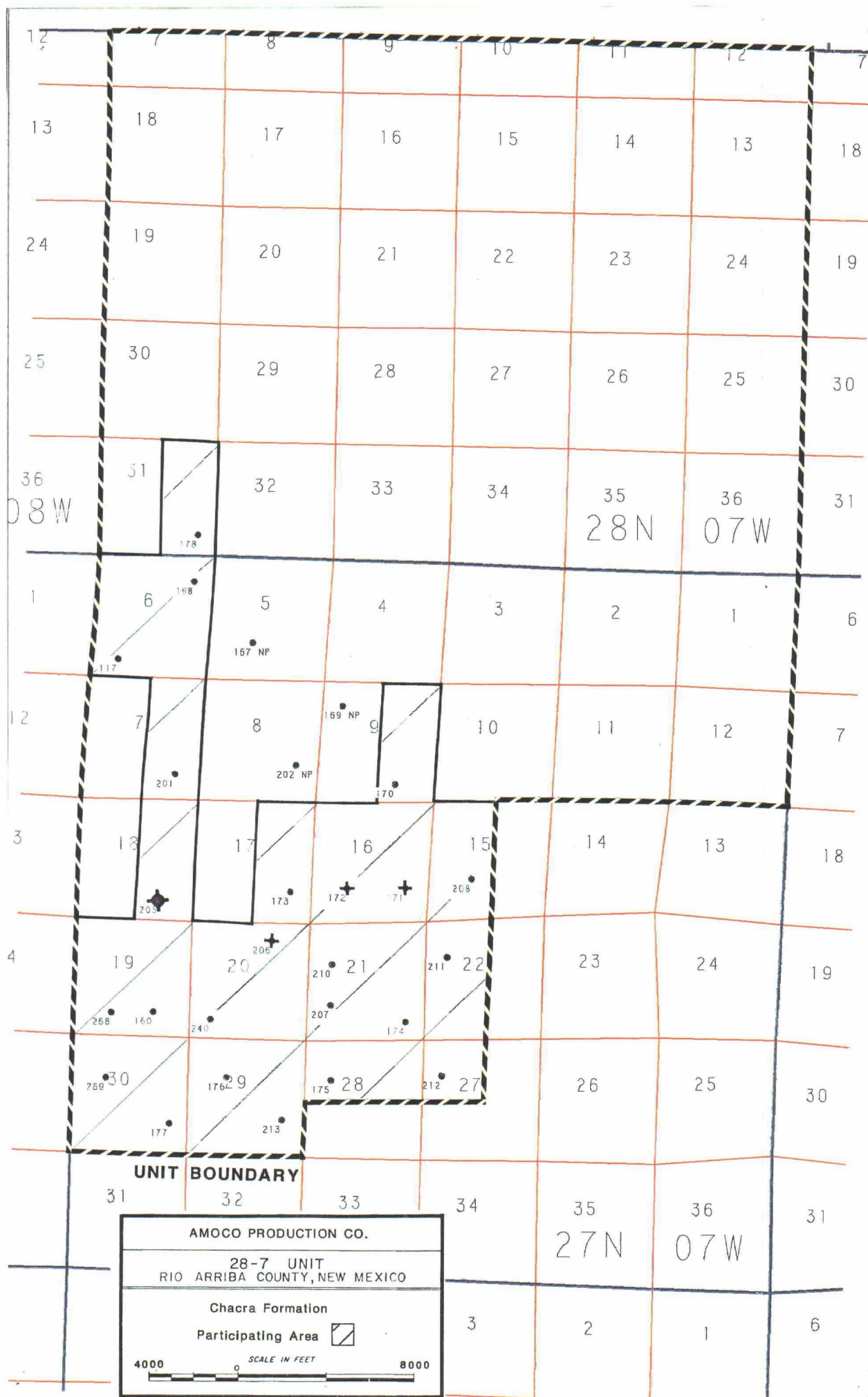


FIGURE 4



DWS045PB--RUN#92045192037



FIGURE 6

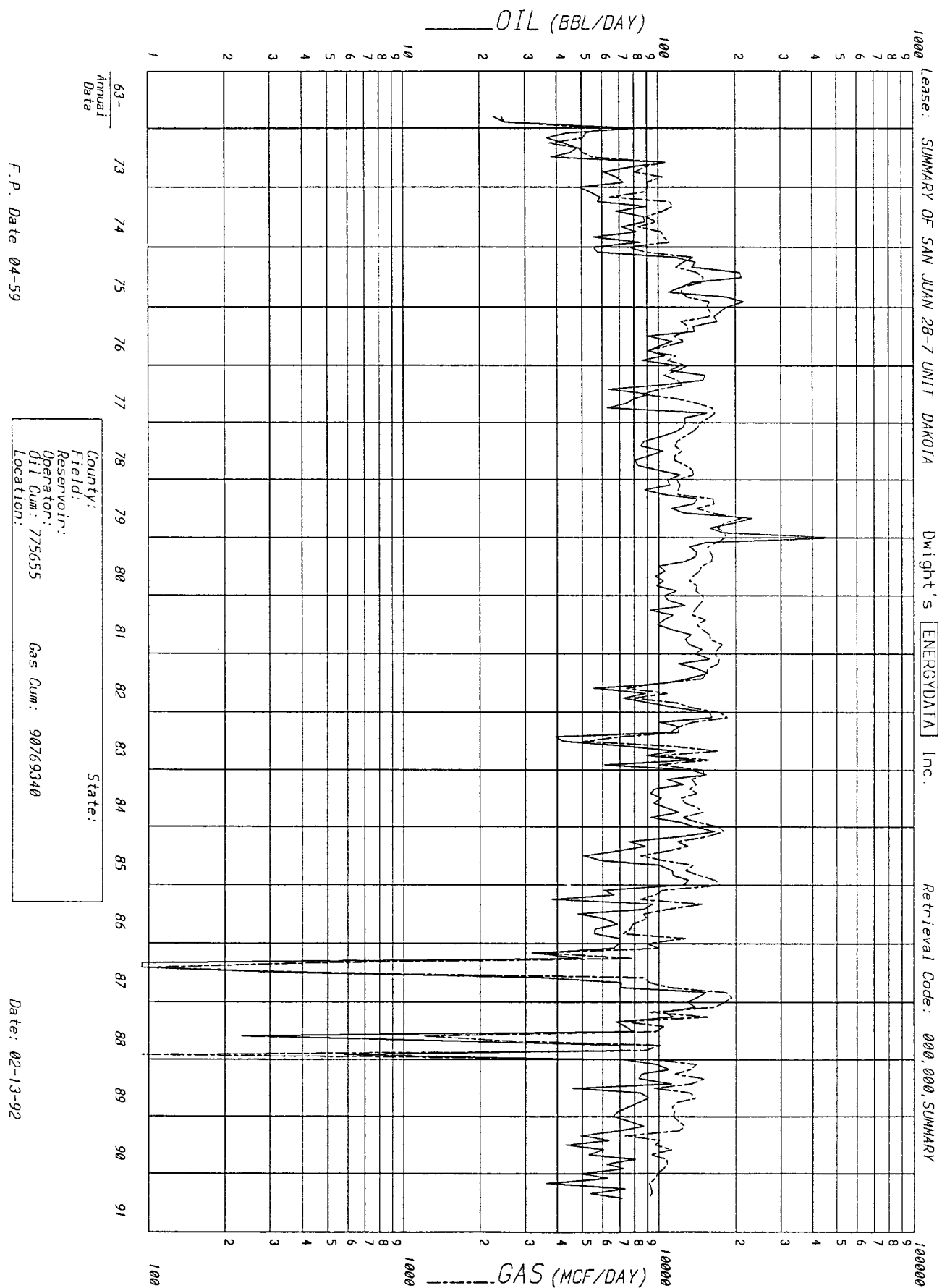


FIGURE 7

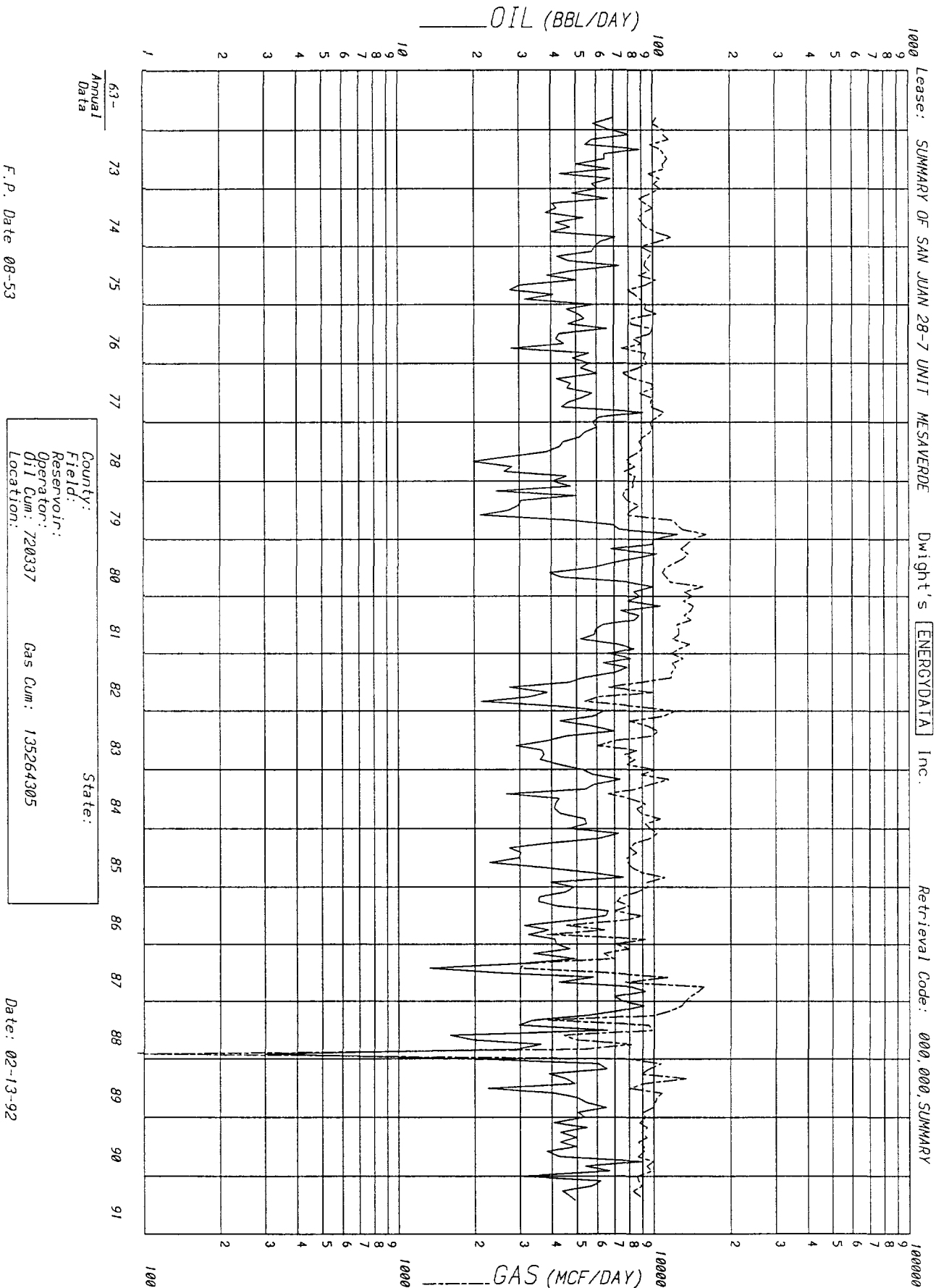


FIGURE 8

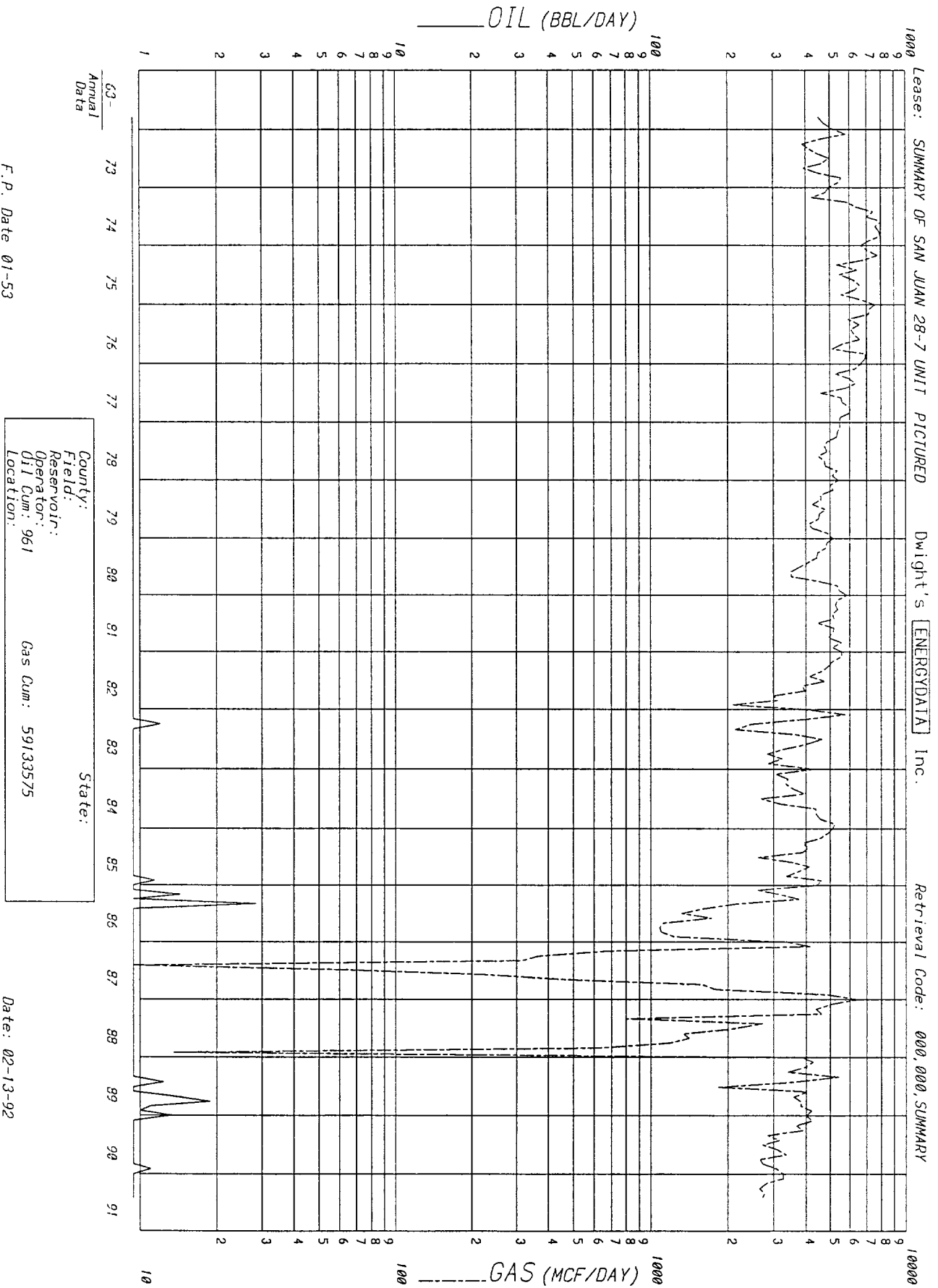
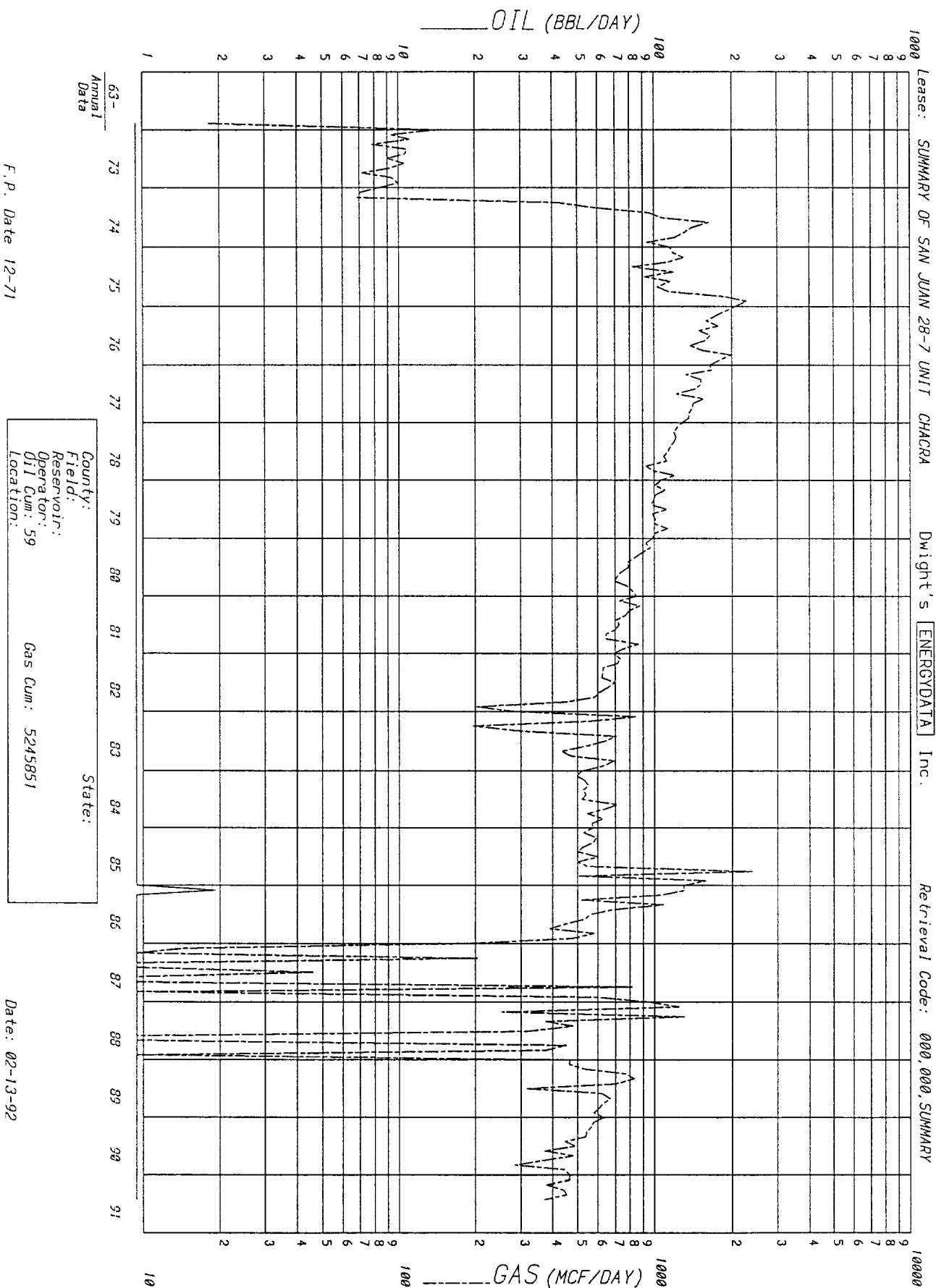


FIGURE 9





JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

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

February 12, 1992

Amoco Production Company
P. O. Box 800
Denver, Colorado 80201

Attn: Mr. M. R. Ivy

Gentlemen:

This office is in receipt of your letter of February 17, 1989, requesting the approval of the revisions to the 31st and 32nd Expanded Participating Area, Pictured Cliffs Formation, San Juan 28-7 Unit, Rio Arriba County, New Mexico.

This application revised the 31st participating area to include the Well No. 51A, E/2 Sec. 24-28N-7W containing 320.00 acres. The total acres committed to the participating area due to the 32nd Expanded Participating Area has increased from 19,947.84 to 20,267.84.

The Commissioner of Public Lands accepts these instruments for record purposes and has this date filed them in our unit file.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
JB/FOP/pm
encls.
cc: Reader File

cc



JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

#445

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

September 5, 1991

Amoco Production Company
Amoco Building
1670 Broadway
Denver, Colorado 80201

Attn: Irick Rudman

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1991 Revised Plan of Development

Dear Mr. Rudman:

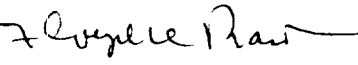
The Commissioner of Public Lands has this date approved the 1991 Revised Plan of Development for the San Juan 28-7 Unit. Our approval is subject to like approval by all other appropriate agencies.

There is a possibility of drainage by wells outside the Unit Area and the need for further development may exist.

If we may be of further assistance please contact our office at (505) 827-5744.

Sincerely,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

By: 
Floyd O. Prando, Director
Oil, Gas & Minerals Division

JB/FOP/JSW

cc: OCD
BLM
Unit POD File
Unit Correspondence File



#445

Amoco Production Company

Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

July 8, 1991

Bureau of Land Management
P. O. Box 1449
Santa Fe, NM 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, NM 87501-2088

New Mexico State Land Office
Oil and Gas Development
P. O. Box 1148
Santa Fe, NM 87501-1148

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attention: Mr. John L. Keller

File: DJD-118-416

San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1991 Revised Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, a revision to the 1991 Plan of Development for the San Juan 28-7 Unit. The revised plan proposes the drilling of 7 Fruitland Coal Wells in the unit during 1991, as well as the abandonment and recompletion to the Fruitland Coal of an additional 5 wells. All working interest owners are being advised by copy of this letter.

If this revision to the Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company at the above address to the attention of Eric Root.

Please direct any questions regarding this correspondence to Eric Root at (303) 830-6016.

D. J. Duhrkopf

008.ELR/mlg

Attachments

28-7 Unit
 Rio Arriba County, New Mexico
 Revised Proposal
1991 Drilling and Recompletion Program

The following wells are proposed for drilling during the 1991 calendar year:

<u>Location</u>	<u>Target</u>
NE/4 Sec. 13 T28N R7W	Fruitland Coal
NE/4 Sec. 14 T28N R7W	Fruitland Coal
NE/4 Sec. 15 T28N R7W	Fruitland Coal
SW/4 Sec. 23 T28N R7W	Fruitland Coal
SW/4 Sec. 24 T28N R7W	Fruitland Coal
NE/4 Sec. 27 T28N R7W	Fruitland Coal
SW/4 Sec. 27 T28N R7W	Fruitland Coal

The following wells are proposed for recompletion during the 1991 calendar year:

<u>Well</u>	<u>Location</u>	<u>Current Horizon</u>	<u>Target Horizon</u>
San Juan 28-7 #12 NP	SW/4 Sec. 17 T28N R7W	Mesa Verde	Fruitland Coal
San Juan 28-7 #105	SW/4 Sec. 31 T28N R7W	Mesa Verde	Fruitland Coal
San Juan 28-7 #63	SW/4 Sec. 12 T27N R7W	Pictured Cliffs	Fruitland Coal
San Juan 28-7 #41	NE/4 Sec. 19 T27N R7W	Pictured Cliffs	Fruitland Coal
San Juan 28-7 #15	SW/4 Sec. 29 T27N R7W	Mesa Verde	Fruitland Coal

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

1991 Revised Plan of Development
San Juan 28-7 Unit

APPROVED: _____ DATED: _____
Bureau of Land Management
(Subject to approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

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

APPROVED: _____ DATED: 7-17-91
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals are for the 1991 Revised Plan of Development for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.

ADDRESS LIST
San Juan 28-7 Unit
May 1, 1991

Conoco, Inc.
One Lakeview Energy Center
3817 NW Expressway
Oklahoma City, OK 73112

Texaco Producing, Inc.
Land Department
P.O. Box 3109
Midland, TX 79702

Meridian Oil, Inc.
Land Department
P.O. Box 4289
Farmington, NM 87499-4289

Elizabeth J. Turner-Calloway
4801 Saint Johns Drive
Dallas, TX 75201

Mesa Operating Ltd Partnership
P.O. Box 200666
Houston, TX 77216

J. Glenn Turner, Jr.
P.O. Box 2320
Dallas, TX 75221-2320

W. G. Peavy Oil Company
221 Woodcrest, P.O. Box 5567
Richardson, TX 75083

Donald L. Mau
University of Texas Law School
Foundation
727 East 26th Street
Austin, TX 78736

The Wiser Oil Company
P.O. Box 192
Sisterville, WV 26175

John Lee Turner
8585 North Stemmon - J
Dallas, TX 75247

Union Oil Company of California
P.O. Box 850
Bloomfield, NM 87413

Kathleen McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

R. J. Miller
Koch Exploration
P.O. Box 2256
Wichita, KS 67201-2256

Michael S. McLane Trust
P.O. Box 214430
Dallas, TX 75221-4430

Iris Gleiser
Ameritrust Texas N.A., Trust 6743
Trustee for Mary Francis Turner
P.O. Box 2320
Dallas, TX 75221-2320

Cindy Brady
2222 Flat Creek
Richardson, TX 75080

Dawn J. Turnbull
c/o Judd Thomas Smith & Assoc.
Four Forest Plaza, Suite 1900
Dallas, TX 75251

Denise Turnbull Williams
c/o Judd Thomas Smith & Assoc.
Four Forest Plaza, Suite 1900
Dallas, TX 75251

Derrick Turnbull
c/o Judd Thomas Smith & Assoc.
Four Forest Plaza, Suite 1900
Dallas, TX 75251

ADDRESS LIST--San Juan 28-7 Unit
May 1, 1991
Page 2

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76012

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112

91010.ELR/sp/mlg



OIL CONSERVATION DIVISION
RECEIVED

Amoco Production Company

Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

'91 JUL 24 PM 10 27

June 18, 1991

Bureau of Land Management
P. O. Box 1449
Santa Fe, NM 87501

Bureau of Land Management
P. O. Box 6770
Albuquerque, NM 87197-6770

New Mexico State Land Office
Oil and Gas Development
P. O. Box 1148
Santa Fe, NM 87501-1148

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, NM 87501-2088

Office of District Engineer
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401
Attention: Mr. John L. Keller

File: DJD-114-416

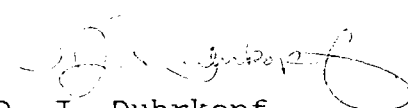
San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1991 Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1991 Plan of Development for the San Juan 28-7 Unit. The plan proposes the drilling of 10 Fruitland Coal Wells in the unit during 1991. All affected working interest owners have been contacted and the approval provisions of the Unit Operating Agreement have been followed.

If this Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company at the above address to the attention of Eric Root.

Copies of this letter have been sent to the working interest owners shown on the attached sheet.

Please direct any questions regarding this correspondence to Eric Root at (303) 830-6016.


D. J. Duhrkopf

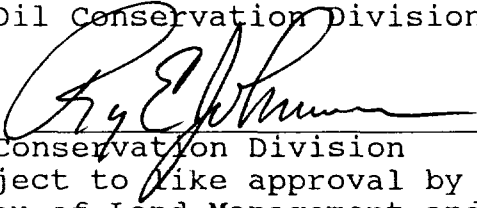
91005.ELR/mlg

Attachments

1991 Plan of Development
San Juan 28-7 Unit

APPROVED: _____ DATED: _____
Bureau of Land Management
(Subject to approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

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

APPROVED:  _____ DATED: 7-1-91
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals are for the 1991 Plan of Development for
the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New
Mexico.

ADDRESS LIST
San Juan 28-7 Unit
May 1, 1991

Conoco, Inc.
One Lakeview Energy Center
3817 NW Expressway
Oklahoma City, OK 73112

Meridian Oil, Inc.
Land Department
P.O. Box 4289
Farmington, NM 87499-4289

Mesa Operating Ltd Partnership
P.O. Box 200666
Houston, TX 77216

W. G. Peavy Oil Company
221 Woodcrest, P.O. Box 5567
Richardson, TX 75083

The Wiser Oil Company
P.O. Box 192
Sisterville, WV 26175

Union Oil Company of California
P.O. Box 850
Bloomfield, NM 87413

R. J. Miller
Koch Exploration
P.O. Box 2256
Wichita, KS 67201-2256

Iris Gleiser
Ameritrust Texas N.A., Trust 6743
Trustee for Mary Francis Turner
P.O. Box 2320
Dallas, TX 75221-2320

Dawn J. Turnbull
c/o Judd Thomas Smith & Assoc.
Four Forest Plaza, Suite 1900
Dallas, TX 75251

Derrick Turnbull
c/o Judd Thomas Smith & Assoc.
Four Forest Plaza, Suite 1900
Dallas, TX 75251

Texaco Producing, Inc.
Land Department
P.O. Box 3109
Midland, TX 79702

Elizabeth J. Turner-Calloway
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Dallas, TX 75201

J. Glenn Turner, Jr.
P.O. Box 2320
Dallas, TX 75221-2320

Donald L. Mau
University of Texas Law School
Foundation
727 East 26th Street
Austin, TX 78736

John Lee Turner
8585 North Stemmon - J
Dallas, TX 75247

Kathleen McLane Trust
c/o The Hankinson Company
3625 North Hall
Suite 1050 LB 135
Dallas, TX 75219

Michael S. McLane Trust
c/o The Hankinson Company
3625 North Hall
Suite 1050 LB 135
Dallas, TX 75219

Cindy Brady
2222 Flat Creek
Richardson, TX 75080

Denise Turnbull Williams
c/o Judd Thomas Smith & Assoc.
Four Forest Plaza, Suite 1900
Dallas, TX 75251

ADDRESS LIST--San Juan 28-7 Unit

May 1, 1991

Page 2

Mary Jeanne Simmons Banks
2104 Winter Sunday Way
Arlington, TX 76012

Helen Louise Simmons
2429 Wabash
Fort Worth, TX 76109

June Simmons Lively
3529 Bellaire Drive North
Fort Worth, TX 76109

Carolee Simmons Smith
5717 Jacqueline Road
Fort Worth, TX 76112

91002.ELR/sp/mlg

San Juan 28-7 Unit, #14-08-001-459
Rio Arriba County, New Mexico
1991 Plan of Development
May 1, 1991

1990 Operations Summary

In 1990, Amoco Production Company, as operator of the San Juan 28-7 Unit, drilled no new wells. Twenty-five Fruitland coal wells were proposed in the 1990 Plan of Development, but were never drilled.

The attached figures 1-4 are base maps for the four participating areas: Dakota, Mesaverde, Pictured Cliffs, and Chacra. The geologic interpretation for each formation has not changed since the last map submitted.

Number of Completions

	<u>Participating</u>		<u>Non-Participating</u>		
	<u>Active</u>	<u>Inactive</u>	<u>Active</u>	<u>Inactive</u>	<u>P & A</u>
Dakota	116	2	2	0	0
Mesaverde	98	2	3	0	2
Pictured Cliffs	86	4	5	0	5
Chacra	<u>18</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>4</u>
Total	318	11	12	1	11

Well Status

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

	<u>Participating</u>	<u>Non-Participating</u>
Dakota (DK)	117	2
Mesaverde (MV)	64	3
Pictured Cliffs (PC)	45	4
Chacra (CK)	10	3
Duals, PC/MV	34	0
PC NP/MV	1	0
PC/CK	11	0
MV/DK	1	0
Plugged and Abandoned	<u>10</u>	<u>1</u>
	293	13

Performance Curves

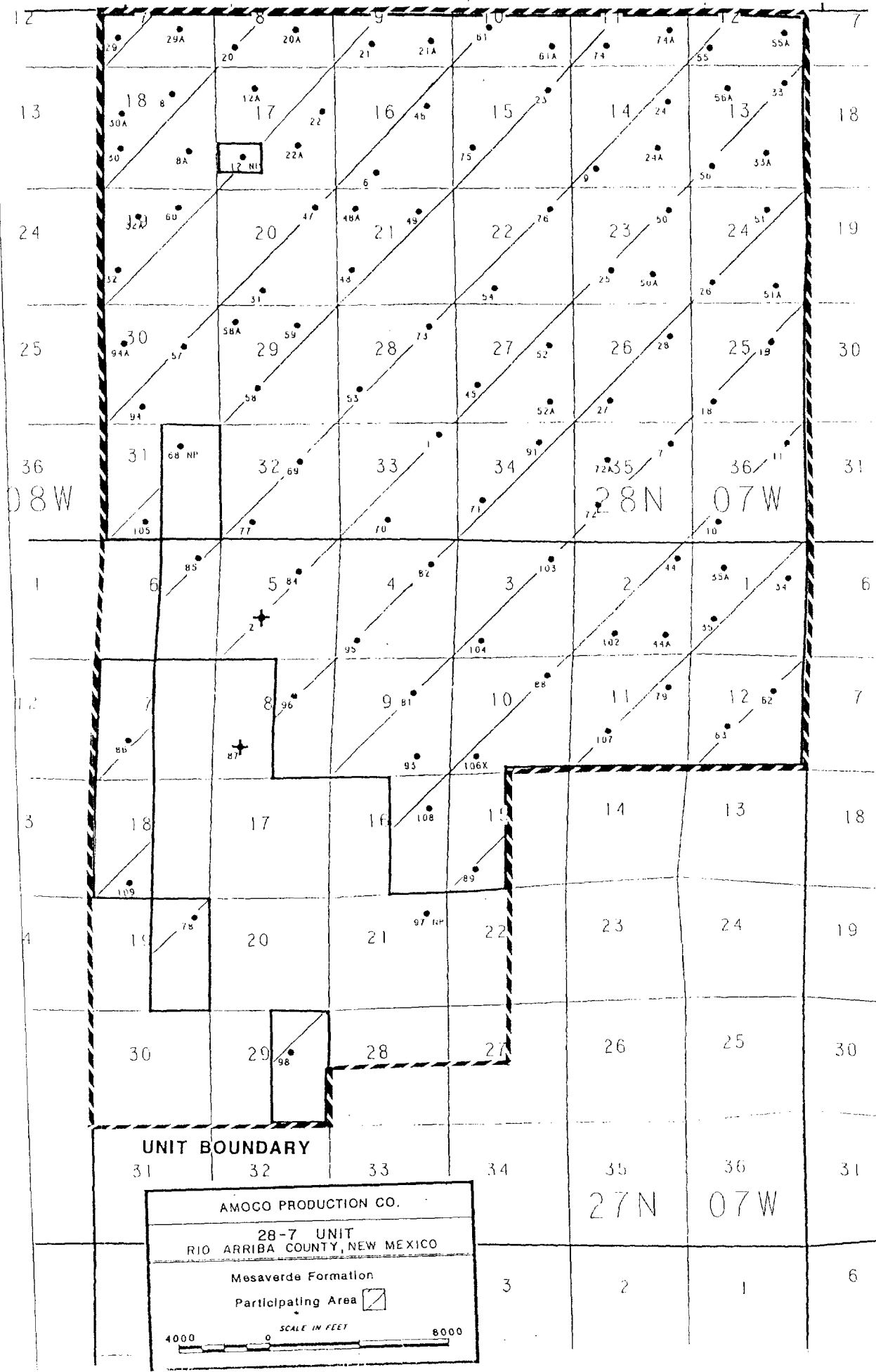
Performance Curves for each formation are presented by Figures 5-8. These summary plots do not include non-participating wells within the unit boundary.

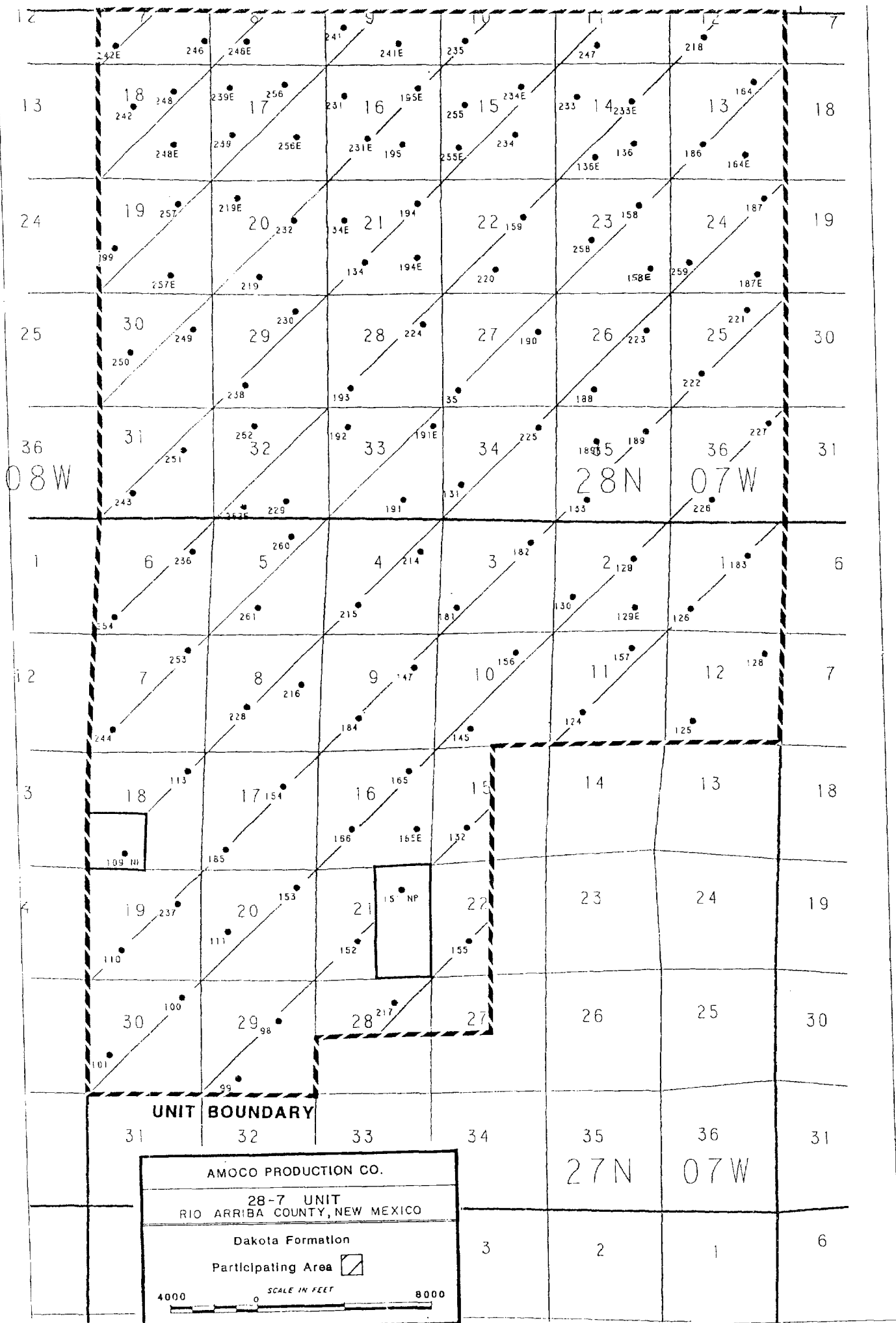
1991 Proposed Drilling Program

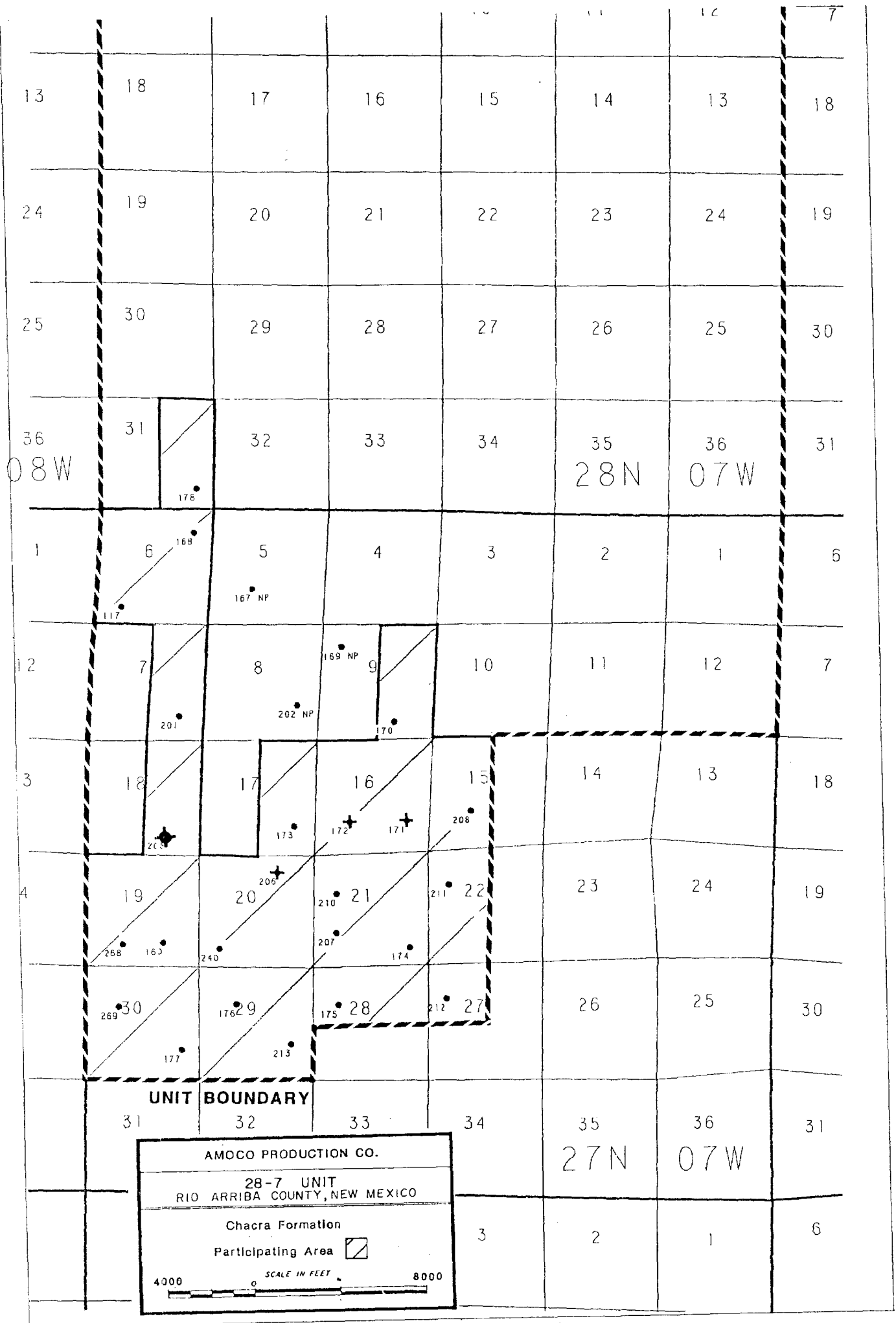
The following wells are proposed for drilling during the 1991 calendar year:

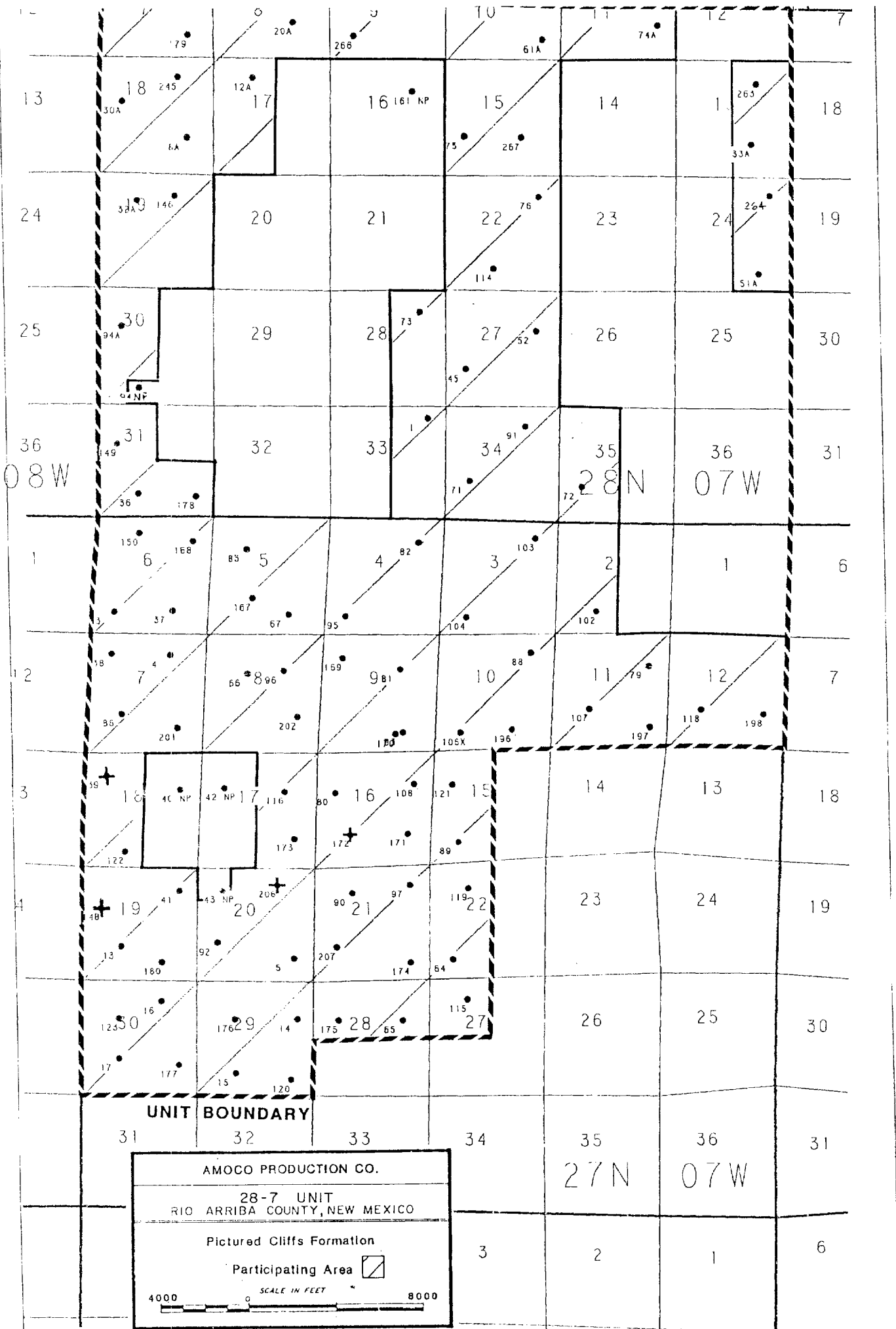
<u>Location</u>	<u>Target</u>
SW/4 Sec. 12 T28N R7W	Fruitland Coal
NE/4 Sec. 13 T28N R7W	Fruitland Coal
NE/4 Sec. 14 T28N R7W	Fruitland Coal
NE/4 Sec. 19 T28N R7W	Fruitland Coal
SW/4 Sec. 19 T28N R7W	Fruitland Coal
SW/4 Sec. 24 T28N R7W	Fruitland Coal
NE/4 Sec. 26 T28N R7W	Fruitland Coal
NE/4 Sec. 27 T28N R7W	Fruitland Coal
SW/4 Sec. 27 T28N R7W	Fruitland Coal
NE/4 Sec. 33 T28N R7W	Fruitland Coal

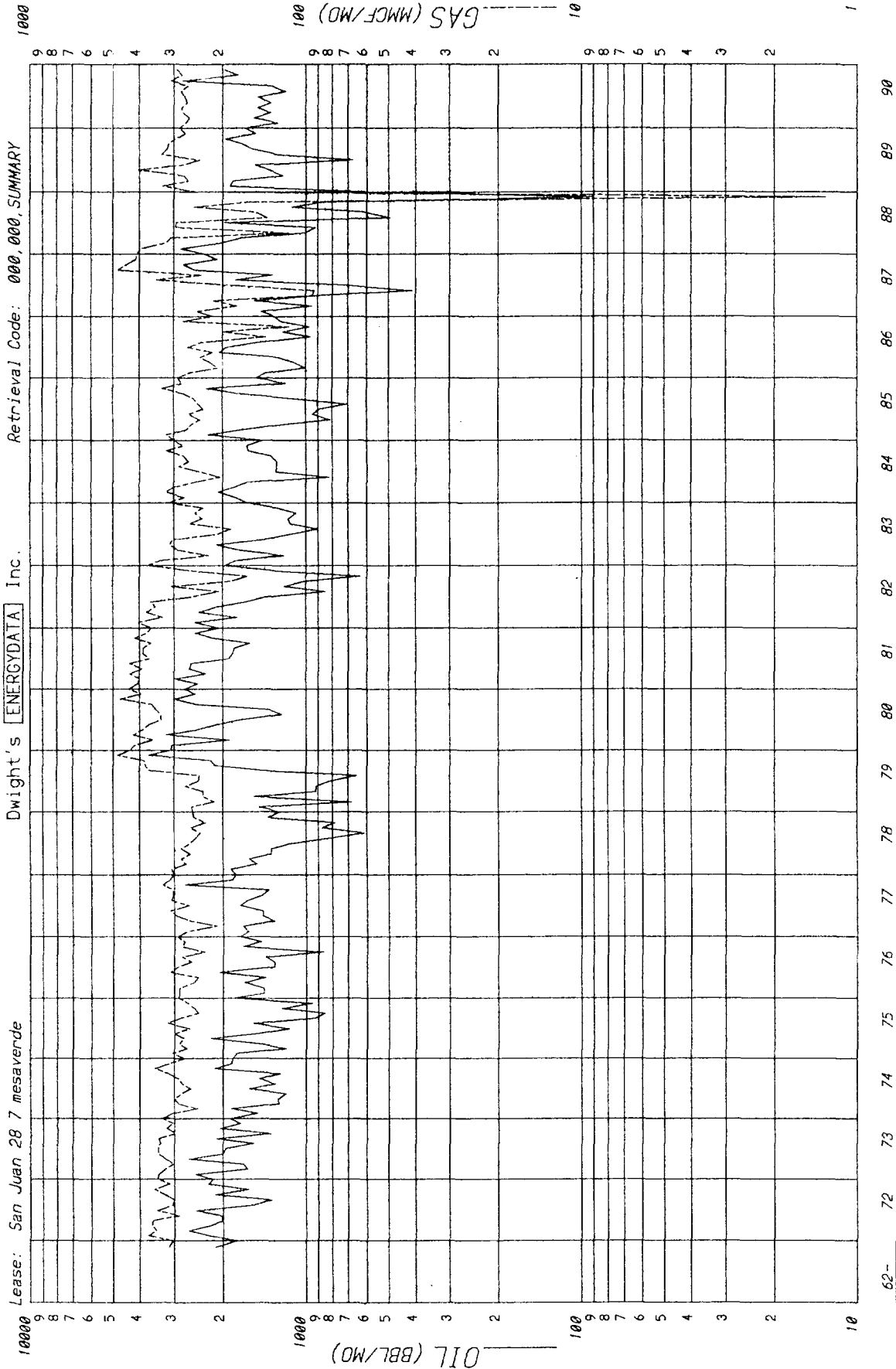
Amoco Production Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells subsequently deemed necessary or desirable by the Unit Operator and the working interest owners.











County: State:
 Field:
 Reservoir:
 Operator: 711710 Gas Cum: 133673282
 Oil Cum: Location:

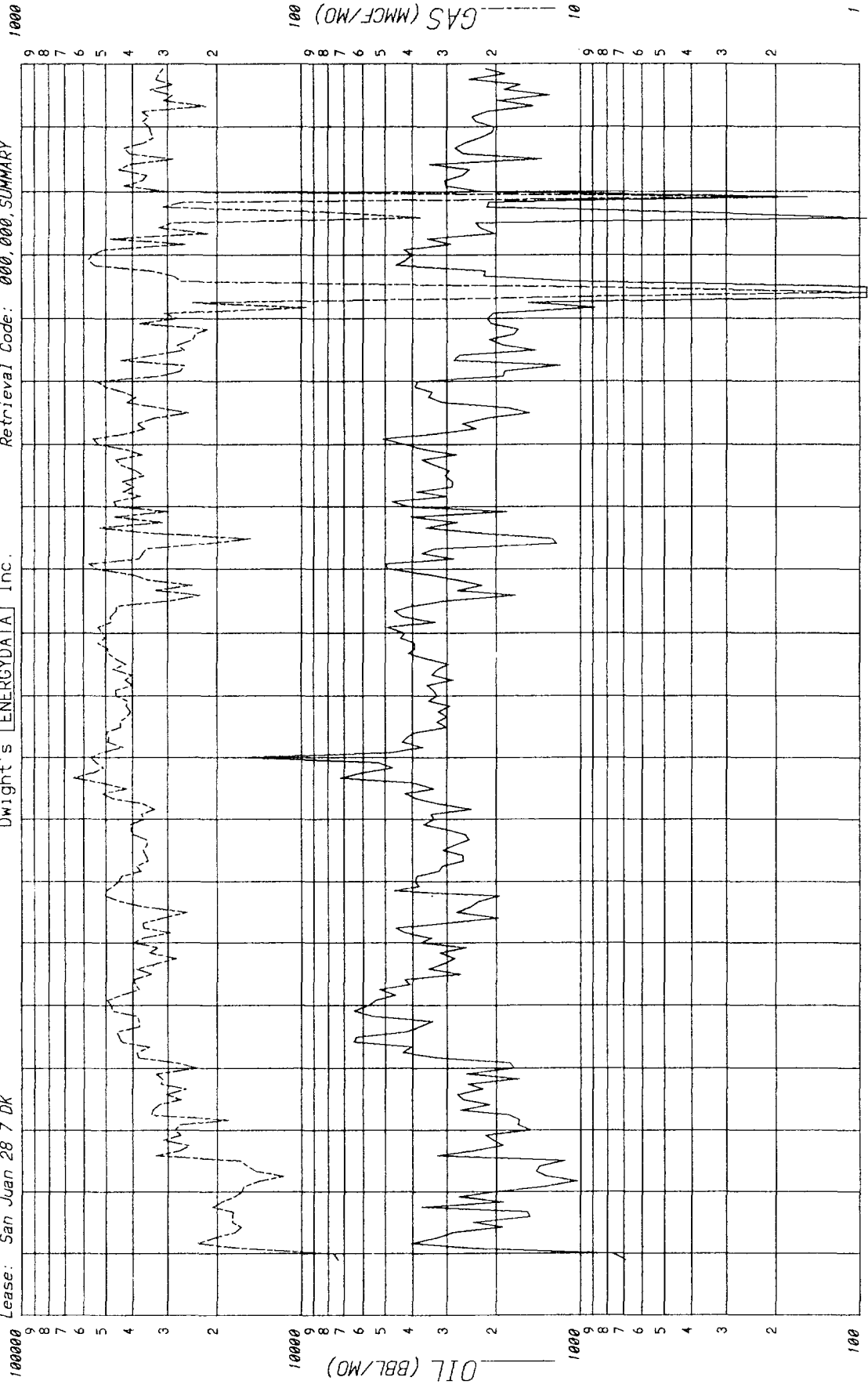
F.P. Date 08-53

Date: 05-14-91

Lease: San Juan 28 7 DK

Dwight's ENERGYDATA Inc.

Retrieval Code: 000,000, SUMMARY

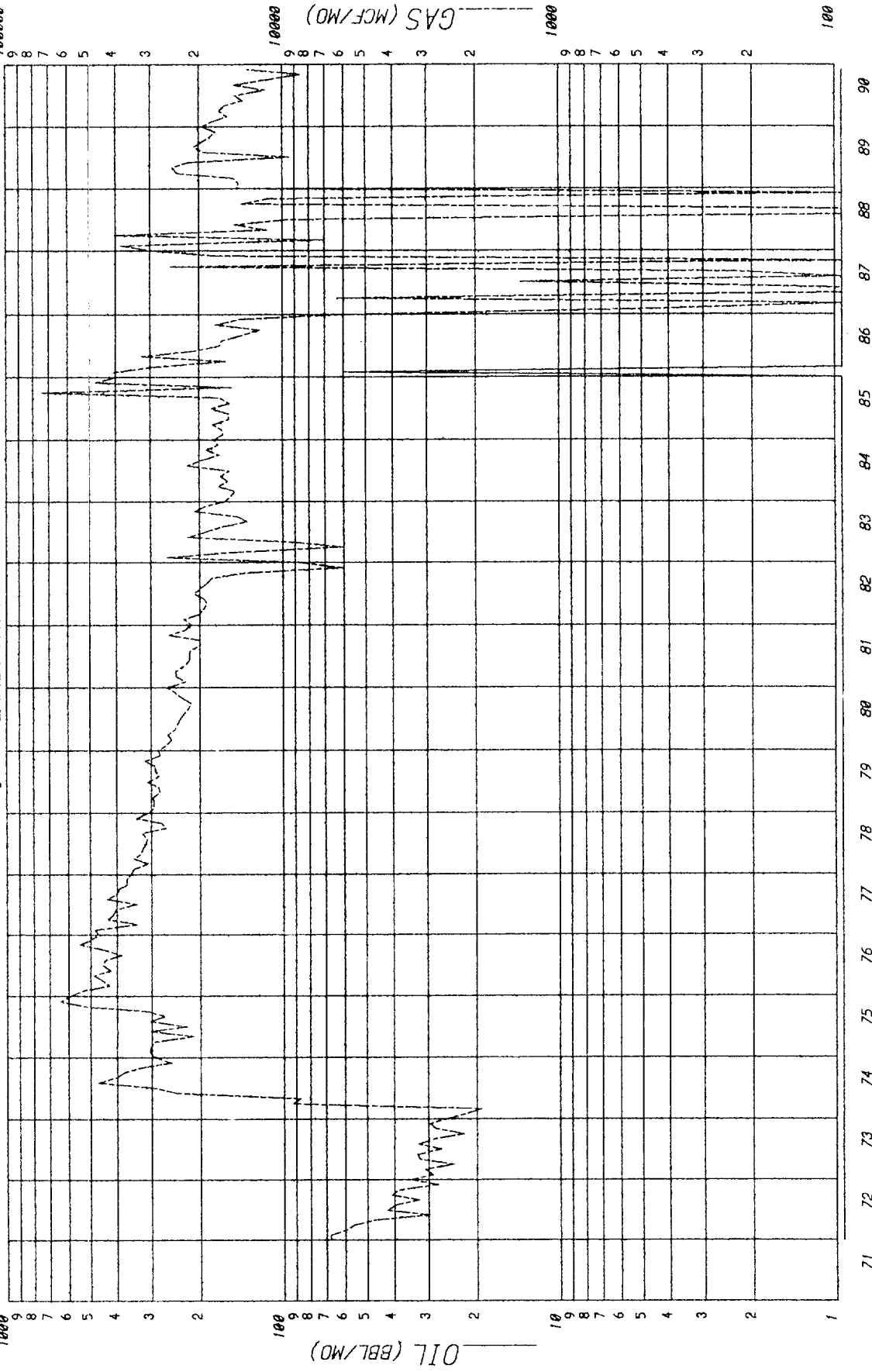


County: State:
Field:
Reservoir:
Operator: Gas Cum: 89038053
Oil Cum: 764672
Location:

F.P. Date 04-59

Date: 05-14-91

Lease: San Juan 28 7 chacra Dwight's ENERGYDATA Inc. Retrieval Code: 000,000, SUMMARY



County: State:
Field:
Reservoir:
Operator: 4904837
Oil Cum: 59
Location:

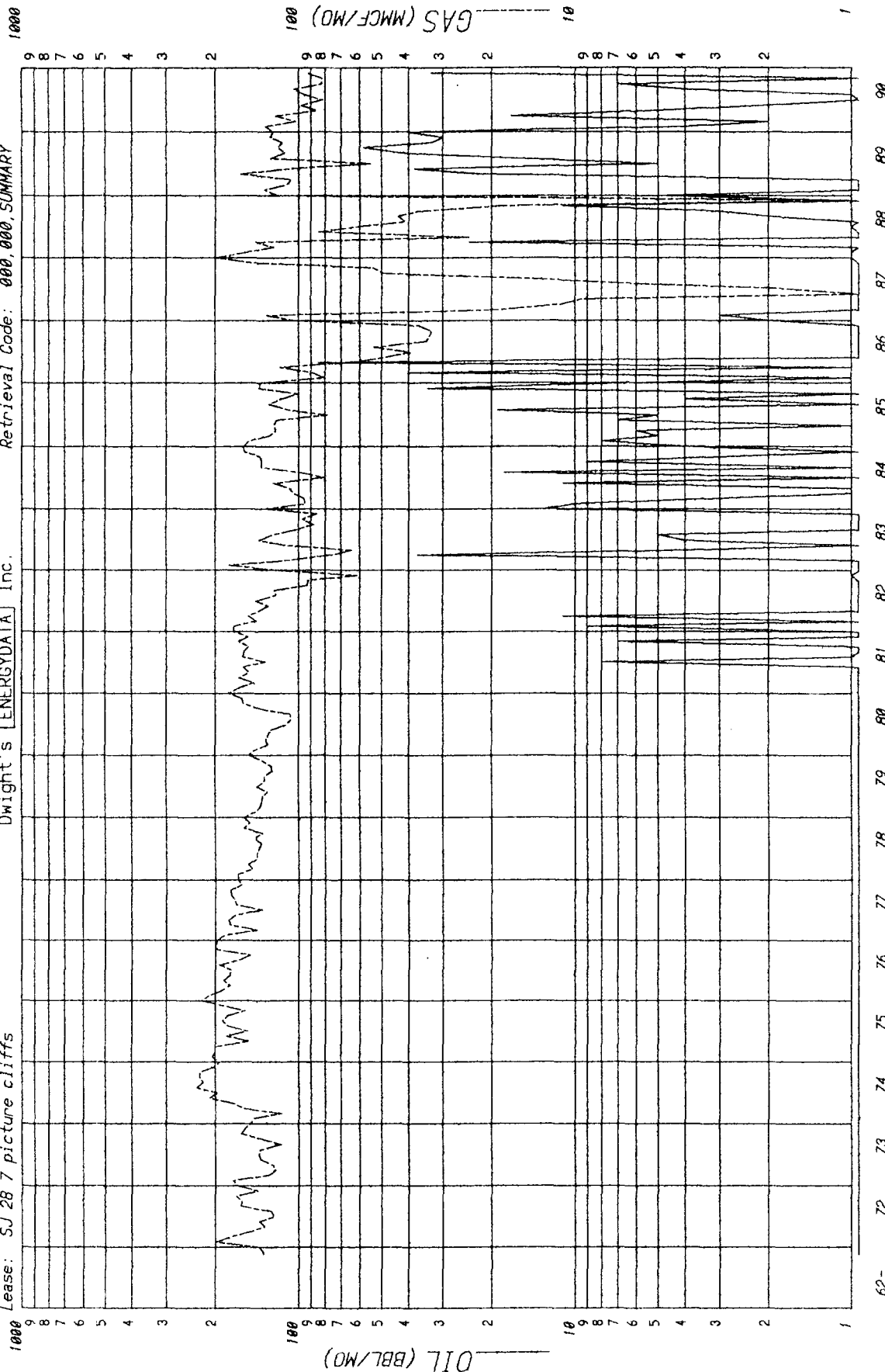
Date: 05-14-91

F.P. Date 12-71

Lease: SJ 28 7 picture cliffs

Dwight's ENERGYDATA Inc.

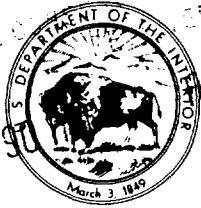
Retrieval Code: 000,000, SUMMARY



County:	State:
Field:	
Reservoir:	
Operator:	
Oil Cum: 908	Gas Cum: 57485886
Location:	

F.P. Date 01-53

Date: 05-15-91



LAND DIVISION

9 United States Department of the Interior

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

TAKE
PRIDE IN
AMERICA

IN REPLY REFER TO:

San Juan 28-7 Unit (POD)
3180 (019)

APR 10 1990

Amoco Production Company
P. O. Box 800
Denver, CO 80201

Gentlemen:

One approved copy of your 1990 Plan of Development for the San Juan 28-7 Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing the drilling of 25 new Fruitland Coal wells, was approved on this date (subject to like approval by the appropriate officials of the State of New Mexico).

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Kenny Howell, Petroleum Engineer, at the above address or telephone (505) 327-5544.

Sincerely,

John L. Keller, Chief
Branch of Mineral Resources

cc: State of New Mexico, Commissioner of Public Lands, P. O. Box 1148,
Santa Fe, NM 87504
New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206,
Santa Fe, NM 87503



AMOCO

Amoco Production Company

Southern Division
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

T. D. Autry
Division Production Manager

May 29, 1990

Bureau of Land Management
P. O. Box 1449
Santa Fe, NM 87501

Bureau of Land Management
P. O. Box 6770
Albuquerque, NM 87197-6770

New Mexico State Land Office
Oil and Gas Development
P. O. Box 1148
Santa Fe, NM 87501-1148

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, NM 87501-2088

Office of District Engineer
Bureau of Land Management
P. O. Box 959
Farmington, NM 87401

File: KJK-105-416

San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1990 Plan of Development

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1990 Plan of Development for the San Juan 28-7 Unit. The plan proposes the drilling of 25 Fruitland Coal Wells in the unit during 1990. All affected working interest owners have been contacted and the approval provisions of the Unit Operating Agreement have been followed.

If this Plan of Development is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Amoco Production Company at the above address to the attention of Pamela Woods.

Copies of this letter have been sent to the working interest owners shown on the attached sheet.

Please direct any questions regarding this correspondence to Pamela Woods at (303) 830-5168.

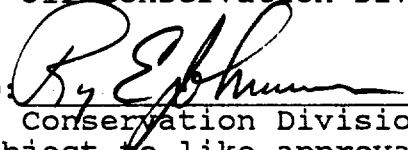
Sincerely,

90009.PJW/ses

1990 Plan of Development
San Juan 28-7 Unit

APPROVED: _____ DATED: _____
Bureau of Land Management
(Subject to approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

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

APPROVED:  _____ DATED: 7-2-90
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals are for the 1990 Drilling Program
for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba
County, New Mexico.

ADDRESS LIST
San Juan 28-7 Unit
June 11, 1990

Conoco, Inc.
One Lakeview Energy Center
3817 NW Expressway
Oklahoma City, OK 73112

Meridian Oil Inc.
Land Department
P. O. Box 4289
Farmington, NM 87499-4289

Mesa Operating Ltd Partnership
P. O. Box 200666
Houston, TX 77216

W. G. Peavy Oil Company
221 Woodcrest, P. O. Box 5567
Richardson, TX 75083

The Wiser Oil Company
P. O. Box 192
Sisterville, WV 26175

Union Oil Company of California
P. O. Box 850
Bloomfield, NM 87413

R. J. Miller
Koch Exploration
P. O. Box 2256
Wichita, KS 67201-2256

Sherry Brown
MBank Dallas, N. A., Trust #6743
Trustee for Mary Frances Turner
P. O. Box 225415
Dallas, TX 75265

B. J. Chenault, C. P. A.
Dixie McLane Grandchildren Trust
3333 Lee Parkway, Suite 630
Dallas, TX 75219

Texaco Producing, Inc.
Land Department
P. O. Box 3109
Midland, TX 79702

Elizabeth J. Turner-Calloway
4801 Saint Johns Drive
Dallas, TX 75201

J. Glenn Turner, Jr.
P. O. Box 225415
Dallas, TX 75265

Donald L. Mau
University of Texas Law School
Foundation
727 East 26th Street
Austin, TX 78736

Graham Energy Service
1675 Larimer St., Suite 400
Denver, CO 80202

John Lee Turner
8585 North Stemmon - J
Dallas, TX 75247

San Juan 28-7 Unit, #14-08-001-459
 Rio Arriba County, New Mexico
 1990 Plan of Development
 May 29, 1990

1989 Operations Summary

In 1989, Amoco Production Company, as operator of the San Juan 28-7 Unit, drilled no new wells. This was in accordance with Amoco's Plan of Development submitted February 24, 1989.

The attached figures 1-4 are base maps for the four participating areas: Dakota, Mesaverde, Pictured Cliffs, and Chacra. The geologic interpretation for each formation has not changed since the last map submitted.

Number of Completions

	<u>Participating</u>		<u>Non-Participating</u>		
	<u>Active</u>	<u>Inactive</u>	<u>Active</u>	<u>Inactive</u>	<u>P&A</u>
Dakota	115	3	2	0	0
Mesaverde	98	2	3	0	2
Pictured Cliffs	86	4	5	0	5
Chacra	<u>19</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>3</u>
Total	318	12	12	1	10

Well Status

As of this date, the total number of wells in the San Juan 28-7 Units is as follows:

	<u>Participating</u>	<u>Non-Participating</u>
Dakota (DK)	117	2
Mesaverde (MV)	64	3
Pictured Cliffs (PC)	45	4
Chacra (CK)	11	3
Duals, PC/MV	34	0
PC NP/MV	1	0
PC/CK	11	0
MV/DK	1	0
Plugged & Abandoned	<u>6</u>	<u>1</u>
	290	13

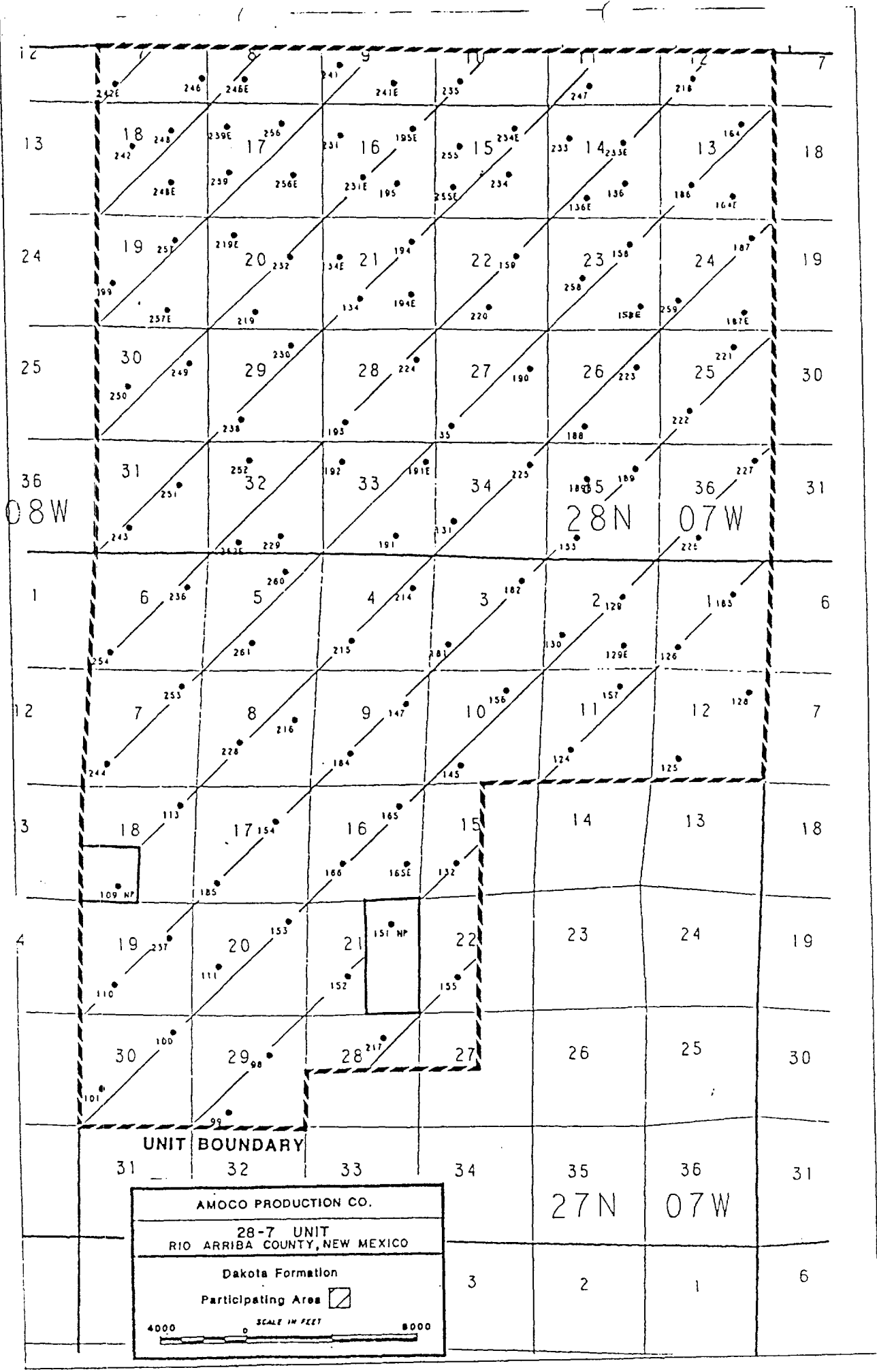
Performance Curves

Performance curves for each formation are presented by Figures 5-8. These summary plots do not include non-participating wells within the unit boundary.

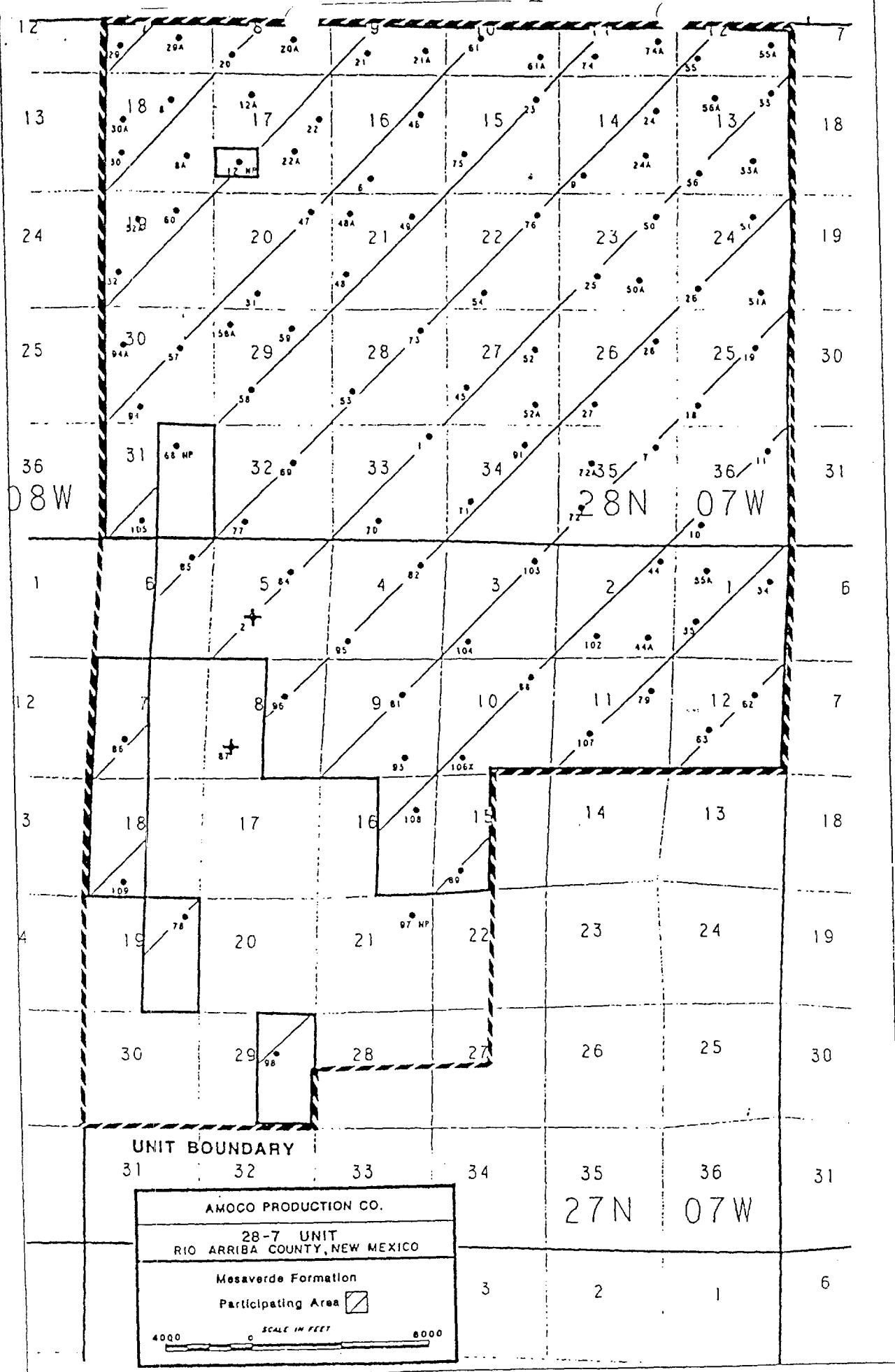
1990 Proposed Drilling Program

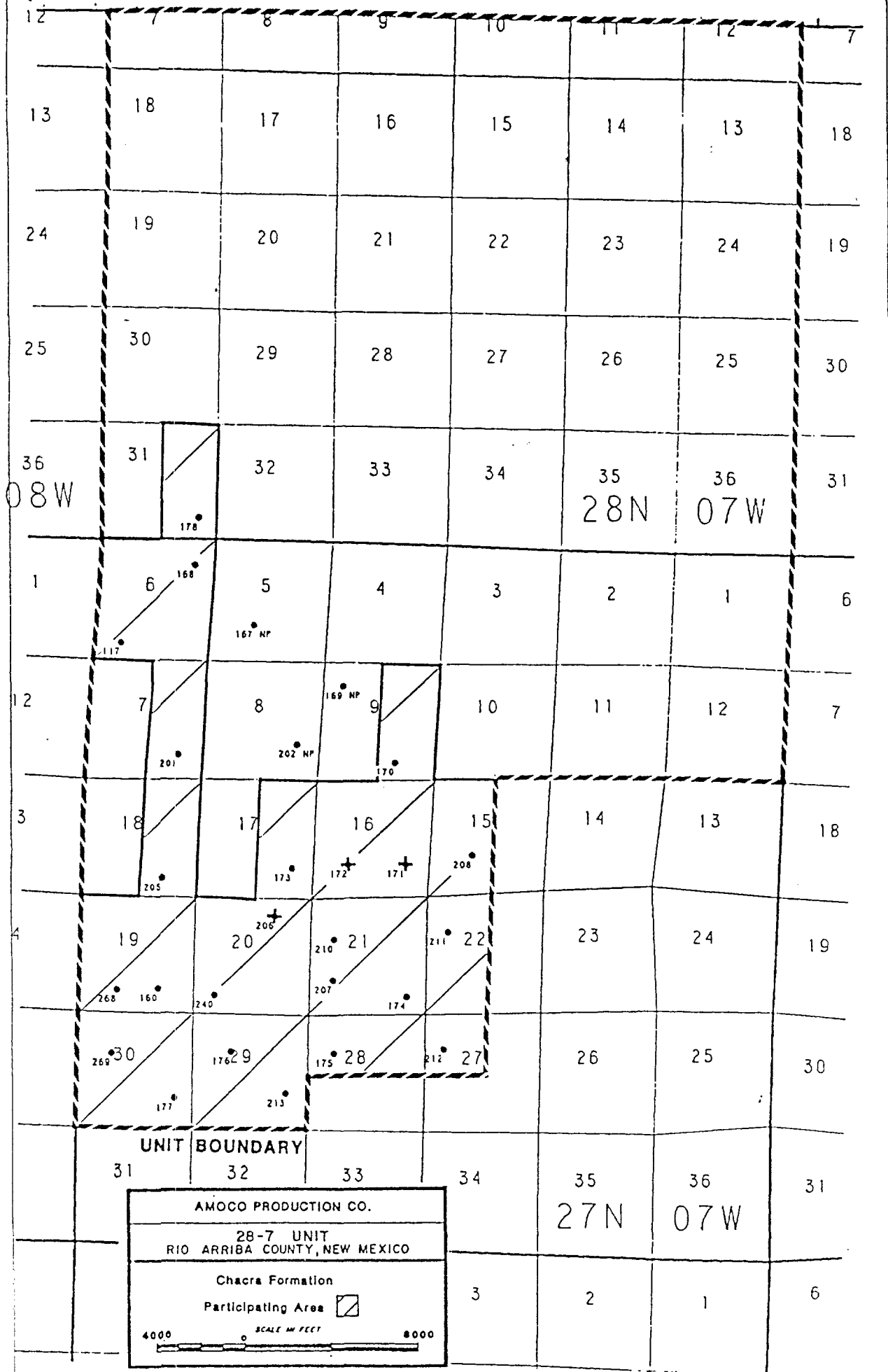
The following wells are proposed for drilling during the 1990 calendar year:

<u>Location</u>	<u>Target</u>
SW/4 Sec. 7 T28N R7W	Fruitland Coal
SW/4 Sec. 8 T28N R7W	Fruitland Coal
SW/4 Sec. 10 T28N R7W	Fruitland Coal
SW/4 Sec. 12 T28N R7W	Fruitland Coal
NE/4 Sec. 13 T28N R7W	Fruitland Coal
NE/4 Sec. 14 T28N R7W	Fruitland Coal
NE/4 Sec. 15 T28N R7W	Fruitland Coal
NE/4 Sec. 19 T28N R7W	Fruitland Coal
NE/4 Sec. 20 T28N R7W	Fruitland Coal
SW/4 Sec. 23 T28N R7W	Fruitland Coal
SW/4 Sec. 24 T28N R7W	Fruitland Coal
NE/4 Sec. 26 T28N R7W	Fruitland Coal
SW/4 Sec. 26 T28N R7W	Fruitland Coal
NE/4 Sec. 27 T28N R7W	Fruitland Coal
SW/4 Sec. 27 T28N R7W	Fruitland Coal
NE/4 Sec. 33 T28N R7W	Fruitland Coal
NE/4 Sec. 35 T28N R7W	Fruitland Coal
S/2 (SW/4) Sec. 11 T28N R7W	Fruitland Coal
W/2 Sec. 13 T28N R7W	Fruitland Coal
W/2 Sec. 14 T28N R7W	Fruitland Coal
W/2 Sec. 32 T28N R7W	Fruitland Coal
E/2 Sec. 24 T28N R7W	Fruitland Coal
E/2 Sec. 25 T28N R7W	Fruitland Coal
W/2 Sec. 25 T28N R7W	Fruitland Coal
W/2 Sec. 8 T28N R7W	Fruitland Coal



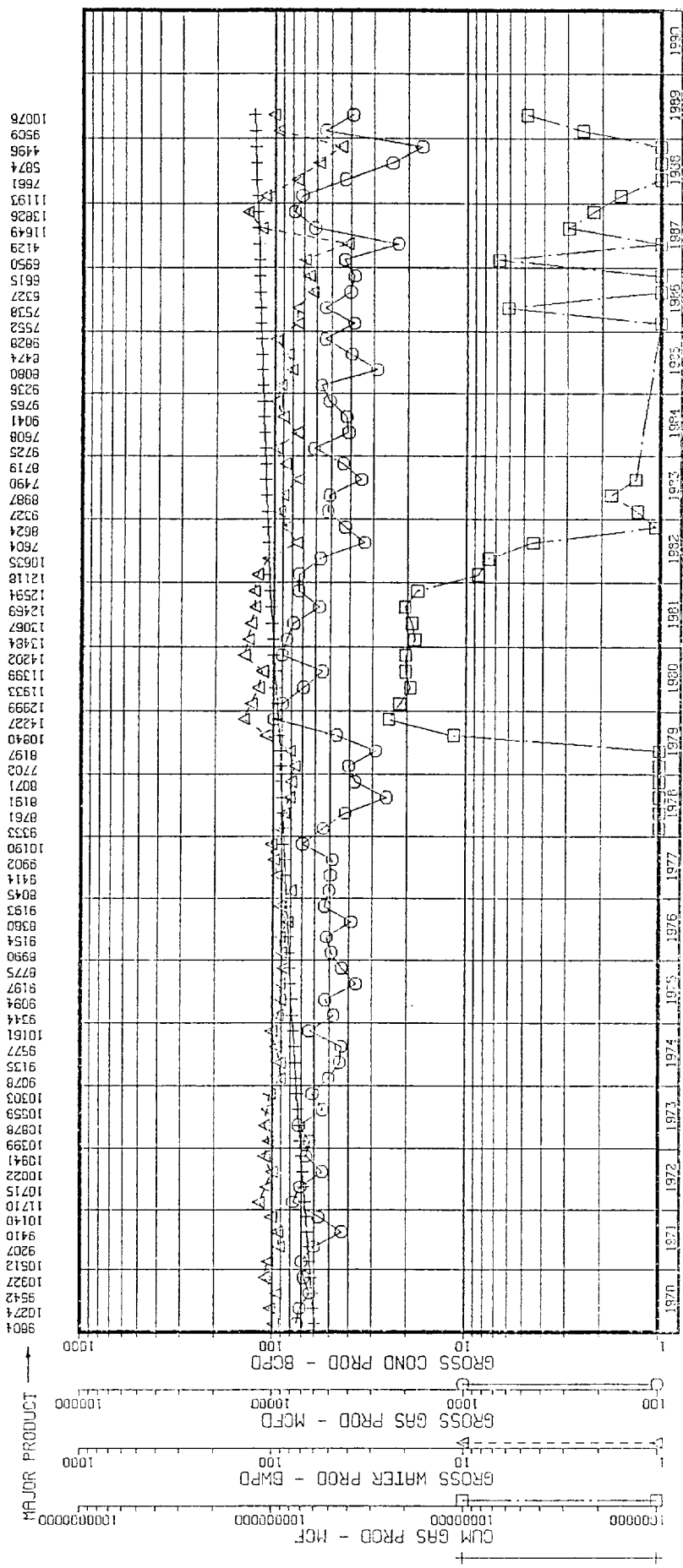
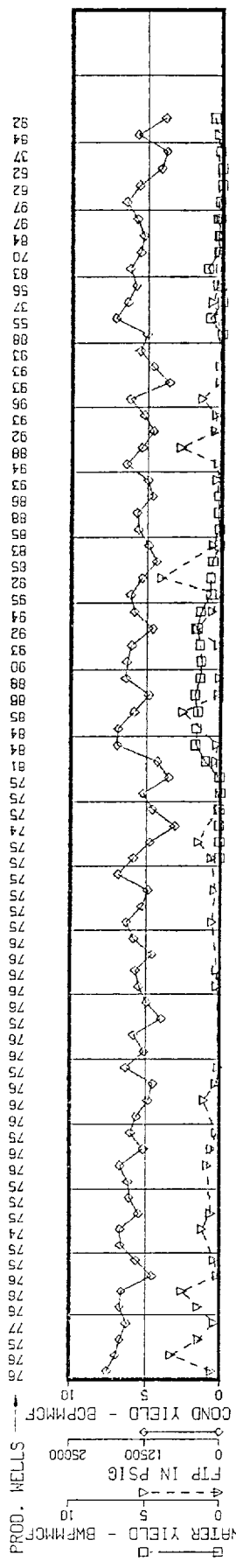
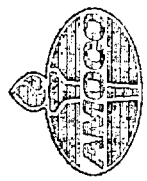
AMOCO PRODUCTION CO.
28-7 UNIT
RIO ARRIBA COUNTY, NEW MEXICO
Dakota Formation
Participating Area ☒
4000 0 8000
SCALE IN FEET





INDUSTRY PRODUCTION DATA RATE-TIME PLOTS

GAS
WELL: SUMMARY
FIELD: BLANCO MESAVERDE (PRORATED GAS) MV
OPERATOR: VARIOUS
STATE: NM 30
FIRST PROD LAST PROD 89 06
REQUESTOR: MCGILLIV-M122
LOCATION: DENVER
COUNTY: RIO ARriba
TOT. GAS CUM: 127,236,432
TOT. OIL CUM: 680,766
API NO: VARIOUS
GENID: VARIOUS
LOCATION:
RESERVOIR: MV
COMP DATE:
PERFS:



1990-02-19
REPORT NUMBER 321
TIME

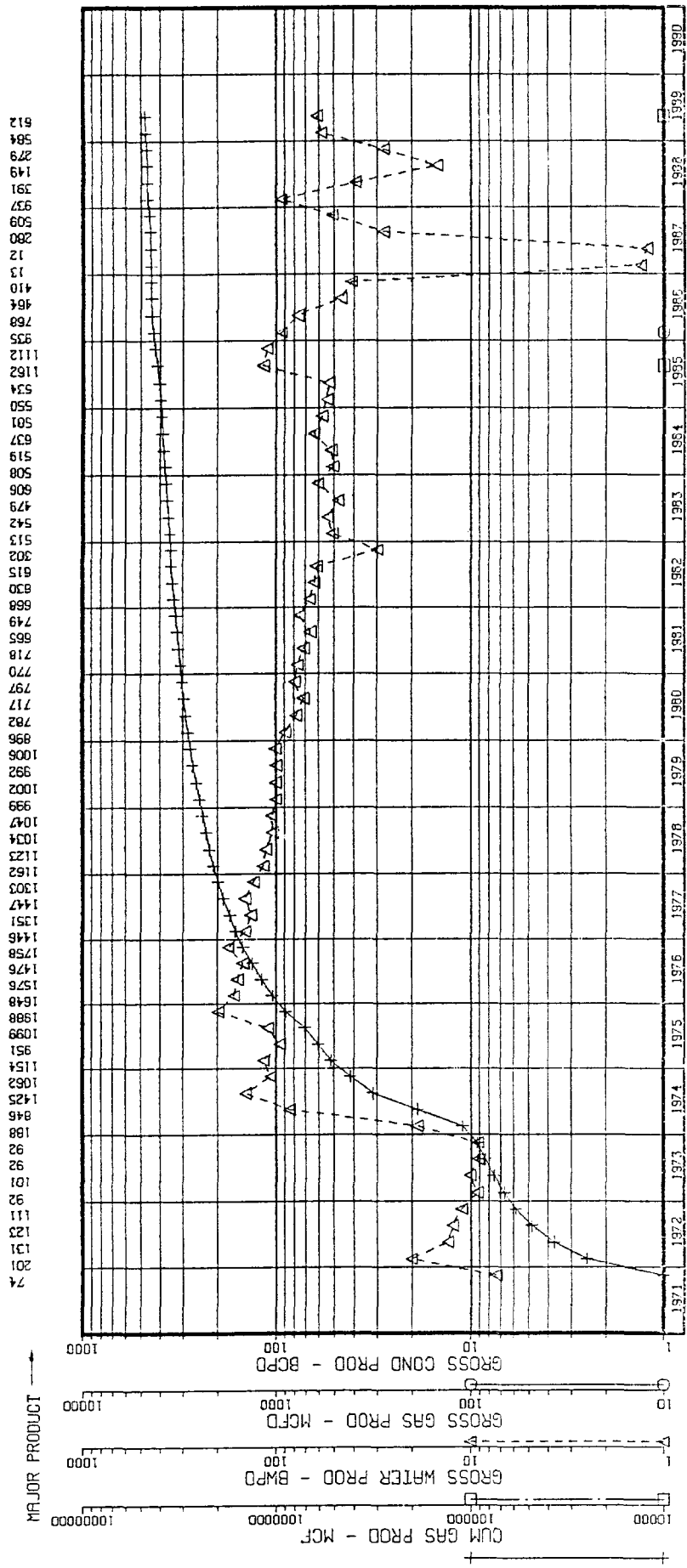
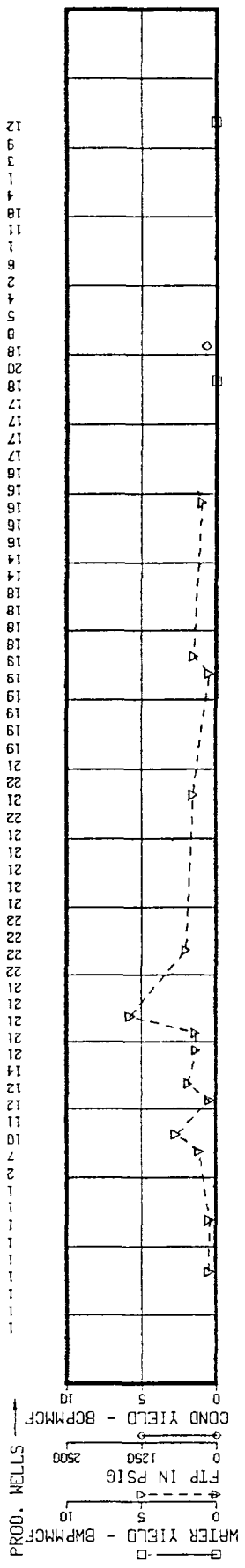
REPORT NUMBER 321

INDUSTRY PRODUCTION DATA RATE-TIME PLOTS

WELL: SUMMARY
FIELD: OTERO CHACRA (GAS)
OPERATOR: VARIOUS
STATE: NM 30
FIRST PROD 7112 LAST PROD 89 06
REQUESTOR: MCGILLIV-M122

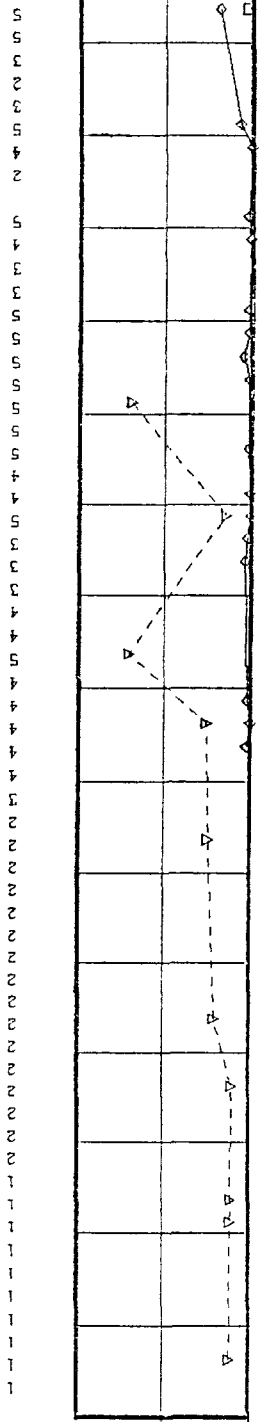
API NO: VARIOUS
LOCATION: CK
RESERVOIR: CK
COMP DATE:
TOT. GAS CUM: 4,787,334
TOT. OIL CUM: 59
PERFS: LOCATION: DENVER

GENID: VARIOUS



56,899
151

١٥٠



State of New Mexico

#445



HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

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

December 26, 1990

Amoco Production Company
Southern Division
1670 Broadway
P.O. BOX 800
Denver, Colorado 80201

Attn: Mr. Autry

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1990 Plan of Development

Dear Mr. Autry:

The Commissioner of Public Lands this date approved the 1990 Plan of Development for the San Juan 28-7 Unit. Our approval is subject to like approval by all other appropriate agencies.

The possibility exists of drainage by wells outside of the Unit Area and further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further assistance please contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

By: *Floyd O. Prando*
Floyd O. Prando, Director
Oil, Gas & Minerals Division

WRH/FOP/CL/dm

cc: OCD
Corresp. File
P.O.D. File

RECEIVED
JUL 11 1989

JUL - 6 1989

OIL CONSERVATION DIV.
SANTA FE

San Juan 28-7 (PA)
3180 (019)

JUL 3 1989

Amoco Production Company
Attn: M. R. Ivy
P. O. Box 800
Denver, CO 80201

Gentlemen:

We have received your letter of February 17, 1989, requesting the approval of the revisions to the 31st and 32nd Expanded Participating Area, Pictured Cliffs Formation, San Juan 28-7 Unit, Rio Arriba County, New Mexico.

The application for the revision of the 31st participating area seeks to add 320 acres described as the E/2 section 24, T. 28 N., R. 7 W. to the 31st participating area. Contributing to this area is the completion of the San Juan 28-7 Unit well No. 51A in the SW/4SE/4 section 24, T. 28 N., R. 7 W.. The total acres committed to the participating area due to the 31st Expanded Participating Area has increased from 19051.36 acres to 19371.36 acres. The revised 31st Expanded Participating Area was approved on this date and is effective May 1, 1981.

The application for the revision of the 32nd Participating Area seeks to change the acres in the participating area due to the revision of the 31st Expanded Participating Area. The total acres committed to the participating area due to the 32nd Expanded Participating Area has increased from 19947.84 acres to 20267.84 acres. The revised 32nd Expanded Participating Area was approved on this date and is effective June 1, 1981.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John L. Keller
Chief, Branch of Minerals

Enclosures

cc: Minerals Management Service, Ref. Data BR MS-652, Royalty Management
Program, P. O. Box 5760, Denver, CO 80217
New Mexico Oil Conservation Division, State Land Office Building,
P. O. Box 2088, Santa Fe, NM 87504
Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,
Santa Fe, NM 87504

San Juan 28-7 Unit (POD)
3180 (019)

JUN. 30 1989

Amoco Production Company
Attn: M. R. Ivy
P. O. Box 800
Denver, CO 80201

Gentlemen:

One approved copy of your 1989 Plan of Development for the San Juan 28-7 Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing the drilling of no wells during the calendar year 1989 was approved on this date (subject to like approval by the appropriate officials of the State of New Mexico).

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 327-5344.

Sincerely,


John Keller
Chief, Branch of Minerals

Enclosure

cc: New Mexico Oil Conservation Division, State Land Office Building,
P. O. Box 2088, Santa Fe, NM 87504
Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,
Santa Fe, NM 87504

JUL - 8 1989
OIL CONSERVATION DIV.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE
435 MONTANO N.E.
ALBUQUERQUE, NEW MEXICO 87107



SJ 28-7 (UA)
3180 (015)

APR 4 1989

Amoco Production Company
Attn: Michael E. Cuba
P.O. Box 800
Denver, Colorado 80201

Gentlemen:

Your letter of March 13, 1989, transmitted four copies of a change in Unit Operator by which Amoco Production Company replaces TOC-Rocky Mountains Inc. as Unit Operator of the San Juan 28-7 Unit, Rio Arriba County, New Mexico, effective March 13, 1989.

The Change in Unit Operator by Assignment from TOC-Rocky Mountains Inc. to Amoco Production Company is approved on this date.

If you have any questions, contact Robert Kent at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vogelbehl

Assistant District Manager
Minerals

Enclosure

1 NMOCD



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE
435 MONTANO N.E.
ALBUQUERQUE, NEW MEXICO 87107



SJ 28-7 (UA)
3180 (015)

APR 4 1989

#445

TOC-Rocky Mountains Inc.
c/o Amoco Production Company
Attn: Michael E. Cuba
P.O. Box 800
Denver, Colorado 80201

Gentlemen:

Your letter of March 13, 1989, transmitted four copies of a change in Unit Operator by which TOC-Rocky Mountains Inc. replaces Tenneco Oil Company as Unit Operator of the San Juan 28-7 Unit, Rio Arriba County, New Mexico, effective March 10, 1989.

The Change in Unit Operator by Assignment from Tenneco Oil Company to TOC-Rocky Mountains Inc. is approved on this date.

If you have any questions, contact Robert Kent at the above address or telephone (505) 761-4503.

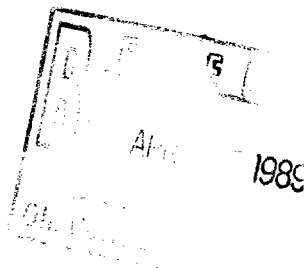
Sincerely,

(Orig. Signed) - Sid Vorelphl

Assistant District Manager
Minerals

Enclosure

NMOCD



State of New Mexico



Commissioner of Public Lands

W.R. HUMPHRIES
COMMISSIONER

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

April 4, 1989

Northwest Pipeline Corporation
P.O. Box 8900
Salt Lake City, Utah 84108-0899

ATTN: Darrell L. Gillen

#446

RE: 1989 Plan of Development
San Juan 32-8 Unit
San Juan County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned 1989 Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is a copy for your files.

If we may be of further help, please do not hesitate to contact us.

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY:

Floyd O. Prando
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

cc:OCD
BLM

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

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

SLO REF NO. OG-1056

March 27, 1989

Amoco Production Company
Attn: Theresa Wisda c/o Chris Armbruster
P.O. Box 800
Denver, Colorado 80201

Re: 1989 Plan of Development
San Juan 28-7 Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

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

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

cc: OCD
BLM

MERIDIAN OIL

March 15, 1989

Bureau of Land Management
ATTN: Mr. Robert Kent
South Central Region
435 Montano, N.E.
Albuquerque, NM 87107

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

#445

RE: San Juan 32-9 Unit
San Juan 28-7 Unit
San Juan and Rio Arriba Counties
New Mexico

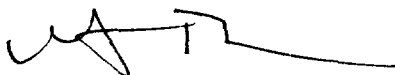
Gentlemen:

Enclosed, please find our letter dated March 15, 1989 concerning the subject unit. The letter states our objections to Amoco Production Company's attempt to assume operations on the unit as evidenced in their filing of a 1989 Unit Plan of Development.

By copy of the enclosed letter, we are asking that you withhold approval of the Plan of Development until an election of a new operator can be held. We respectfully ask that you advise us of your decision on our request.

Should you require further information, please advise.

Very truly yours,



Kent Beers *PAB*
Area Land Manager

KOB:RJH:ch
Doc: 180+
File

March 15, 1989

WORKING INTEREST OWNERS
ON ATTACHED LIST

RE: San Juan 28-7 Unit
San Juan and Rio Arriba Counties,
New Mexico

Gentlemen:

Meridian Oil Inc. recently received a copy of the 1989 Plan of Development filed by Amoco Production Company as Unit Operator of the captioned federal unit. Meridian Oil Inc., on behalf of El Paso Production Company, a major working interest owner in this federal unit, does not recognize Amoco as Unit Operator and hereby objects to Amoco's attempt to automatically assume operations in the subject unit. Amoco has indirectly purchased the oil and gas leasehold interests of Tenneco Oil Co., the current Unit Operator. A successor Unit Operator must now be selected by the Unit Working Interest Owners. In this regard, Meridian asks, by copy of this letter to the regulatory agencies, that approval of the 1989 Plan of Development be placed on hold pending a ballot of the Unit Working Interest Owners for election of a successor Unit Operator.

By copy of this letter, Meridian Oil Inc. is notifying all other interested parties of its desire to operate the referenced unit. As a major working interest owner in the unit and a major operator in the San Juan Basin, Meridian feels that it is best suited to provide expert, cost-effective and diligent management of the unit.

Meridian is proven as a successful and prudent operator of more properties than any other operator in the San Juan Basin. Meridian's fully staffed office, including engineers, geologists, landmen and field operating personnel is located in Farmington, New Mexico. This office allows Meridian to operate San Juan Basin properties efficiently and economically. Meridian has operations completely surrounding the subject unit. We could thus assume operations of the unit with little change in our current procedures and staffing.

Our marketing ability in the San Juan Basin is unsurpassed. We are the most aggressive marketer of natural gas in the Basin and plan to maintain that position. We can offer our marketing expertise and service to any and all owners in the unit if we are elected Operator.

San Juan 28-7
Unit Working Interest Owners

-2-

March 15, 1989

The election of a successor Unit Operator should be held immediately so as to allow as little disruption as possible to regular unit activities. Meridian asks that Amoco, acting only as an interim operator, proceed to ballot all of the Unit Working Interest Owners for election of a successor Unit Operator. The results of this election should be tallied and reported to all owners and governmental agencies concerned.

Very truly yours,



Kent Beers 
Area Land Manager

KB:RJH:ch
cc: Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division

Document 253+

SAN JUAN 28-7 UNIT

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Koch Industries, Inc.

Dixie M. McLane Grandchildren Trust
c/o B.J. Chenault, C.P.A.

Mesa Petroleum Company

FMP Operating Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil Exploration & Production

Texaco Producing Inc.

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr. & MBank at Dallas as
Trustees under a Trust Agreement created for
the benefit of Mary Frances Turner, Jr. (6743)

John Lee Turner

Union Oil Company of California

University of Texas Law School Foundation

The Wiser Oil Company

W. G. Peavy Oil Company



Amoco Production Company

Southern Division
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

M. R. Ivy
Division Operations Manager

February 24, 1989

Bureau of Land Management
Albuquerque District Office
435 Montano N.E.
Albuquerque, NM 87107

Oil Conservation Division
State of New Mexico
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87504

File: LF-023-416

San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1989 Plan of Development

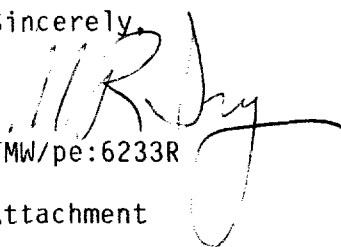
Amoco Production Company, as Unit Operator, submits the attached 1989 Plan of Development for the San Juan 28-7 Unit. The plan proposes that no new wells be drilled in the unit during 1989. All affected working interest owners have been contacted and the approval provisions of the Unit Operating Agreement have been followed.

Amoco Production Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells subsequently deemed necessary or desirable by the Unit Operator and the working interest owners during 1989.

If this Plan of Development 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 Amoco Production Company at the above address to the attention of Theresa Wisda c/o Chris Armbruster.

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

Sincerely,



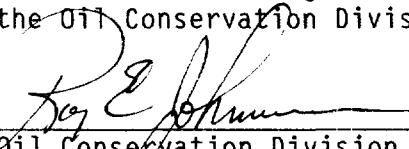
TMW/pe:6233R

Attachment

1989 Plan of Development
San Juan 28-7 Unit
February 24, 1989
Page 2

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

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

APPROVED:  _____ DATED: 3-7-89
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and
the Commissioner of Public Lands)

The foregoing approvals are for the 1989 Drilling Program for the San Juan
28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.

ADDRESS LIST
San Juan 28-7 Unit
Revised February 14, 1989

Dave Wacker
Conoco, Inc.
P. O. Box 460
Hobbs, NM 88240

Meridian Oil Inc.
Land Department
P. O. Box 4289
Farmington, NM 87499-4289

Mesa Petroleum Company
Onshore Operations Division
P. O. Box 2009
Amarillo, TX 79189

W. G. Peavy Oil Company
221 Woodcrest
Richardson, TX 75080

A. B. Geren, Jr.
The Thelma Ford Simmons Trust
P. O. Box 1469
Farmington, NM 87499

The Wiser Oil Company
P. O. Box 192
Sisterville, W. VA 26175

D. A. Olivier
Partnership Properties
1615 Poydras
New Orleans, LA 70160

Union Oil Company of California
P. O. Box 850
Bloomfield, NM 87413

R. J. Miller
Koch Exploration
P. O. Box 2256
Witchita, KS 67201-2256

B. J. Chenault, C.P.A.
Dixie McLane Grandchildren Trust
3333 Lee Parkway, Suite 630
Dallas, TX 75219

Texaco Producing, Inc.
Land Department
P. O. Box 3109
Midland, TX 79702

Elizabeth J. Turner-Calloway
4801 Saint Johns Drive
Dallas, TX 75201

J. Glenn Turner, Jr.
P. O. Box 225415
Dallas, TX 75265

Donald L. Mau
University of Texas Law
School Foundation
727 East 26th Street
Austin, TX 78736

Graham Energy Service
1675 Larimer St., Suite 400
Denver, CO 80202

John Lee Turner
800 Shamrock Tower
Dallas, TX 75201

Sherry Brown
MBank Dallas, N.A., Trust #6743
Trustee for Mary Frances Turner
P. O. Box 225415
Dallas, TX 75265

San Juan 28-7 Unit #14-08-001-459
 Rio Arriba County, New Mexico
 1989 Plan of Development
 March 1, 1989

1988 Operations Summary

In 1988 Tenneco Oil Company, as former operator of the San Juan 28-7 Unit, drilled and completed Pictured Cliffs well #264. This was the only well drilled as provided for in Tenneco's 1988 Plan of Development submitted July 20, 1988.

The attached Figures 1-4 are base maps for the four participating areas: Dakota, Mesaverde, Pictured Cliffs, and Chacra. The geologic interpretation for each formation has not changed since the last map submitted.

Number of Completions

	<u>Participating</u>		<u>Non-Participating</u>		<u>P & A</u>
	<u>Active</u>	<u>Inactive</u>	<u>Active</u>	<u>Inactive</u>	
Dakota	115	3	2	0	0
Mesaverde	98	2	3	0	2
Pictured Cliffs	86	4	5	0	5
Chacra	<u>19</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>3</u>
Total	318	12	12	1	10

Well Status

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

	<u>Participating</u>	<u>Non-Participating</u>
Dakota (DK)	117	2
Mesaverde (MV)	64	3
Pictured Cliffs (PC)	45	4
Chacra (CK)	11	3
Duals, PC/MV	34	0
PC NP/MV	1	0
PC/CK	11	0
MV/DK	1	0
Plugged and Abandoned	<u>6</u>	<u>1</u>
	290	13

Performance Curves

Performance curves for the total unit and each formation are presented by Figures 5-9. These summary plots do not include non-participating wells within the unit boundary.

1989 Proposed Drilling Program

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, Amoco Production Company, as successor Unit Operator, submits a Drilling Program providing for the drilling of no wells during the calendar year 1989.

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

FIGURE 1

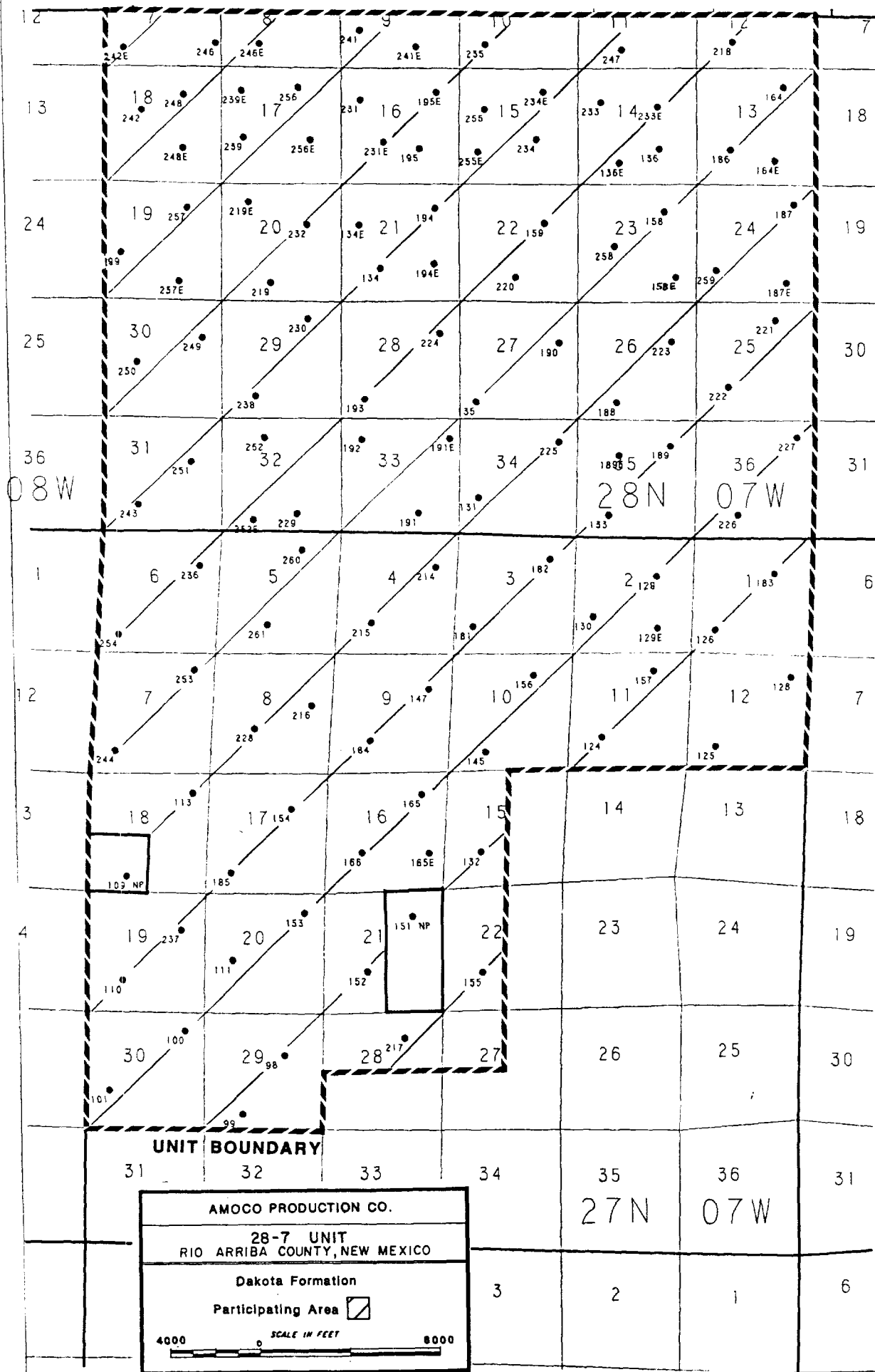


FIGURE 2

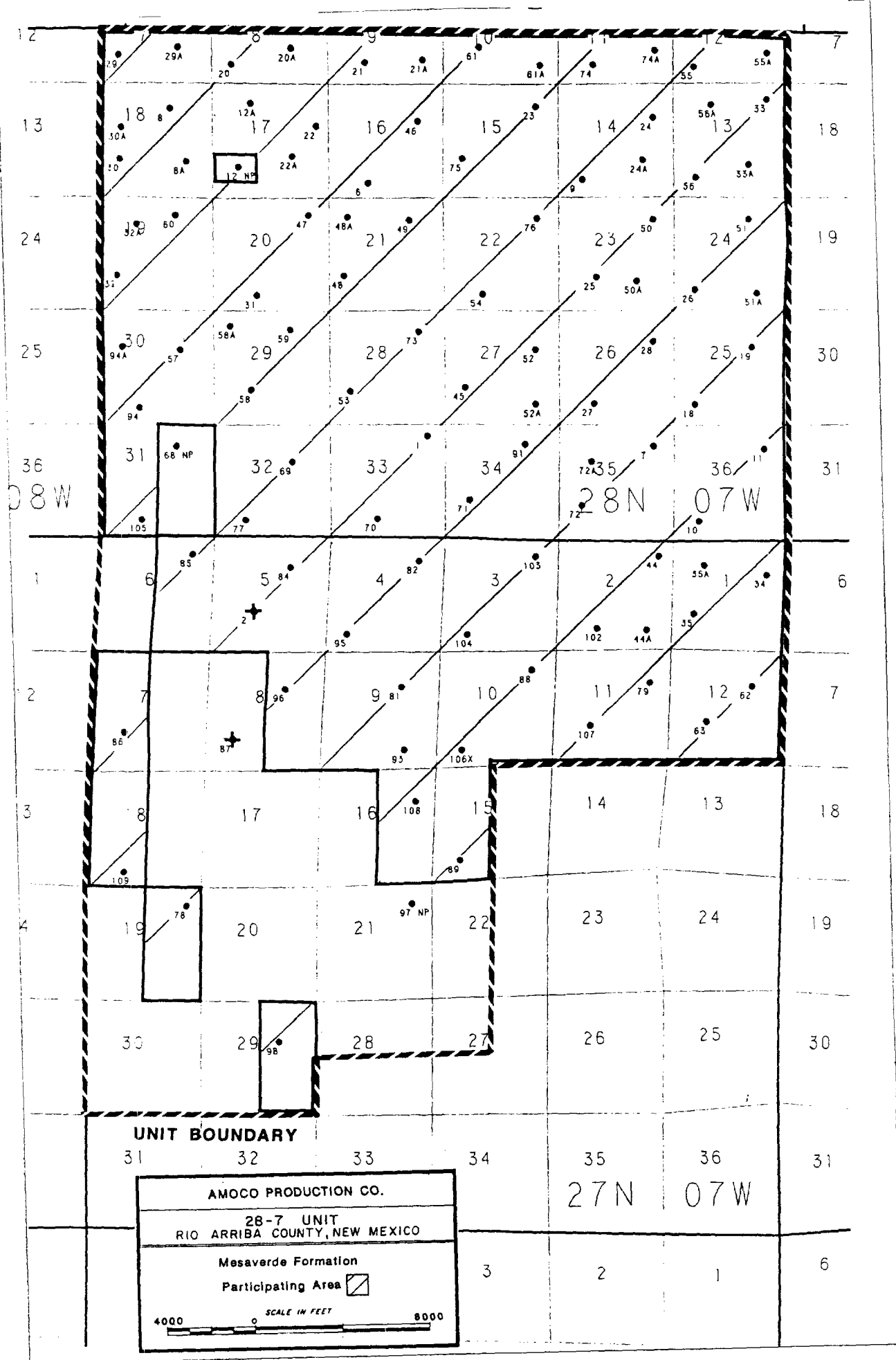


FIGURE 3

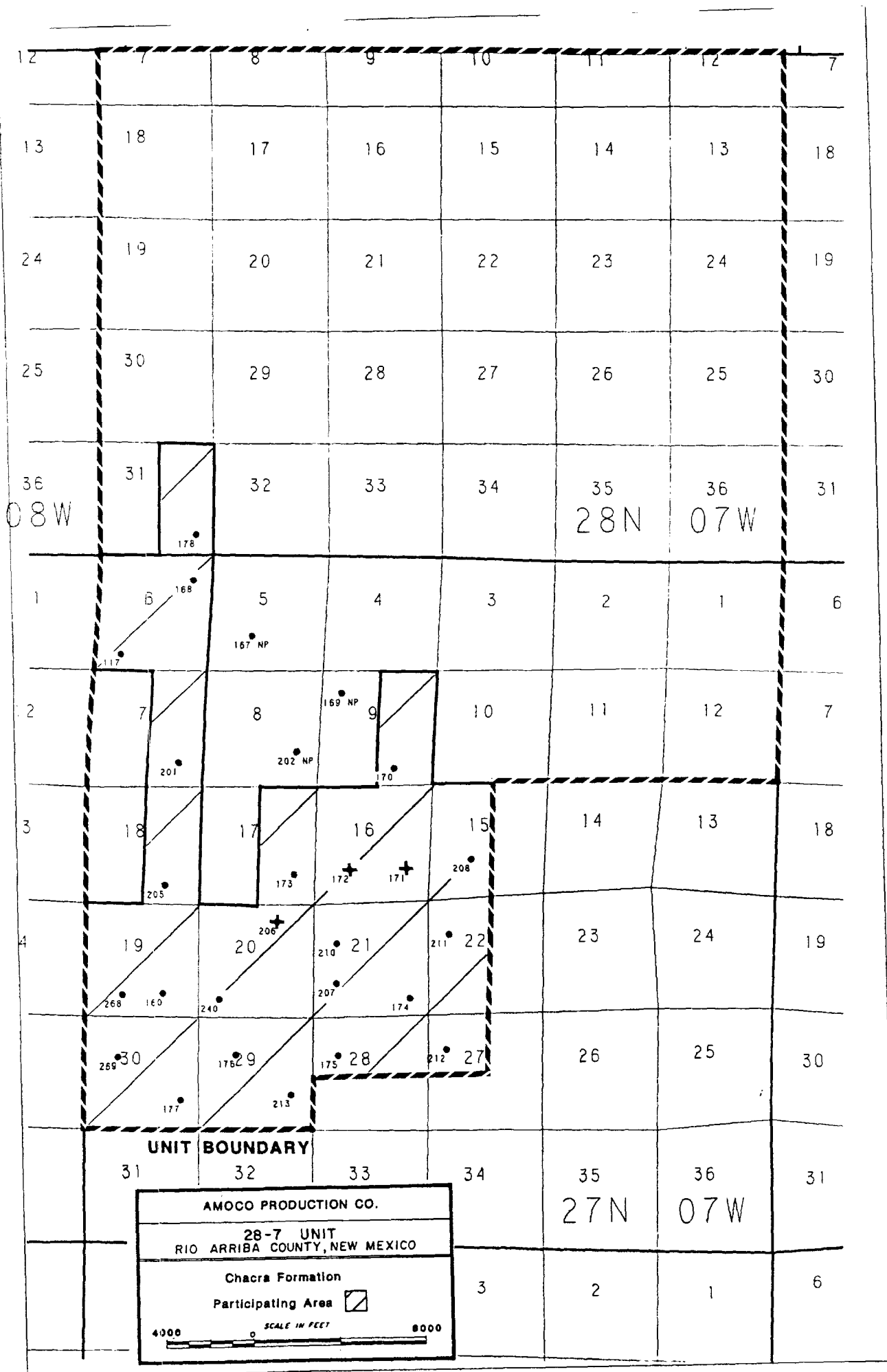


FIGURE 4

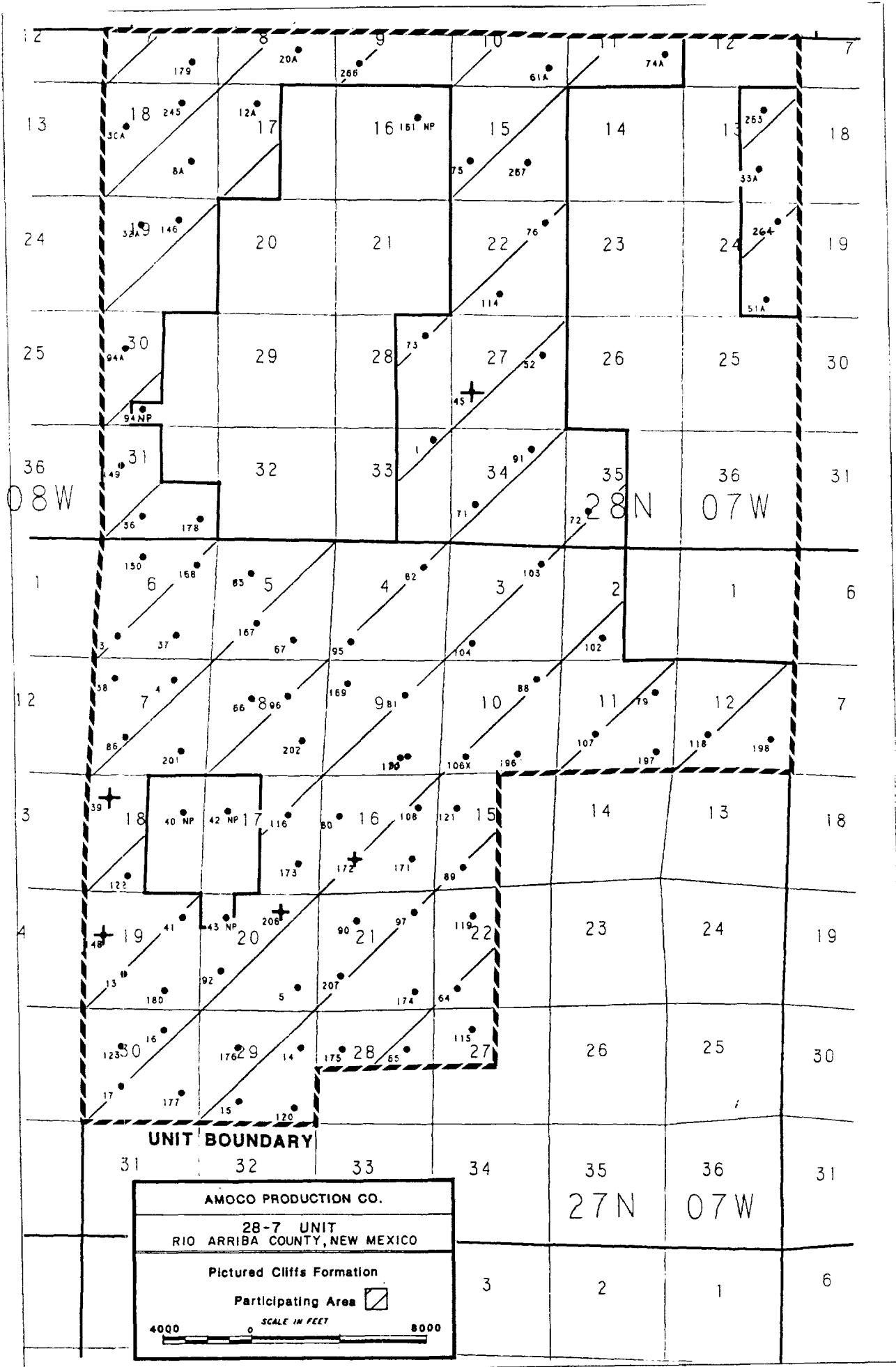


Figure 5

Production Rates vs Time

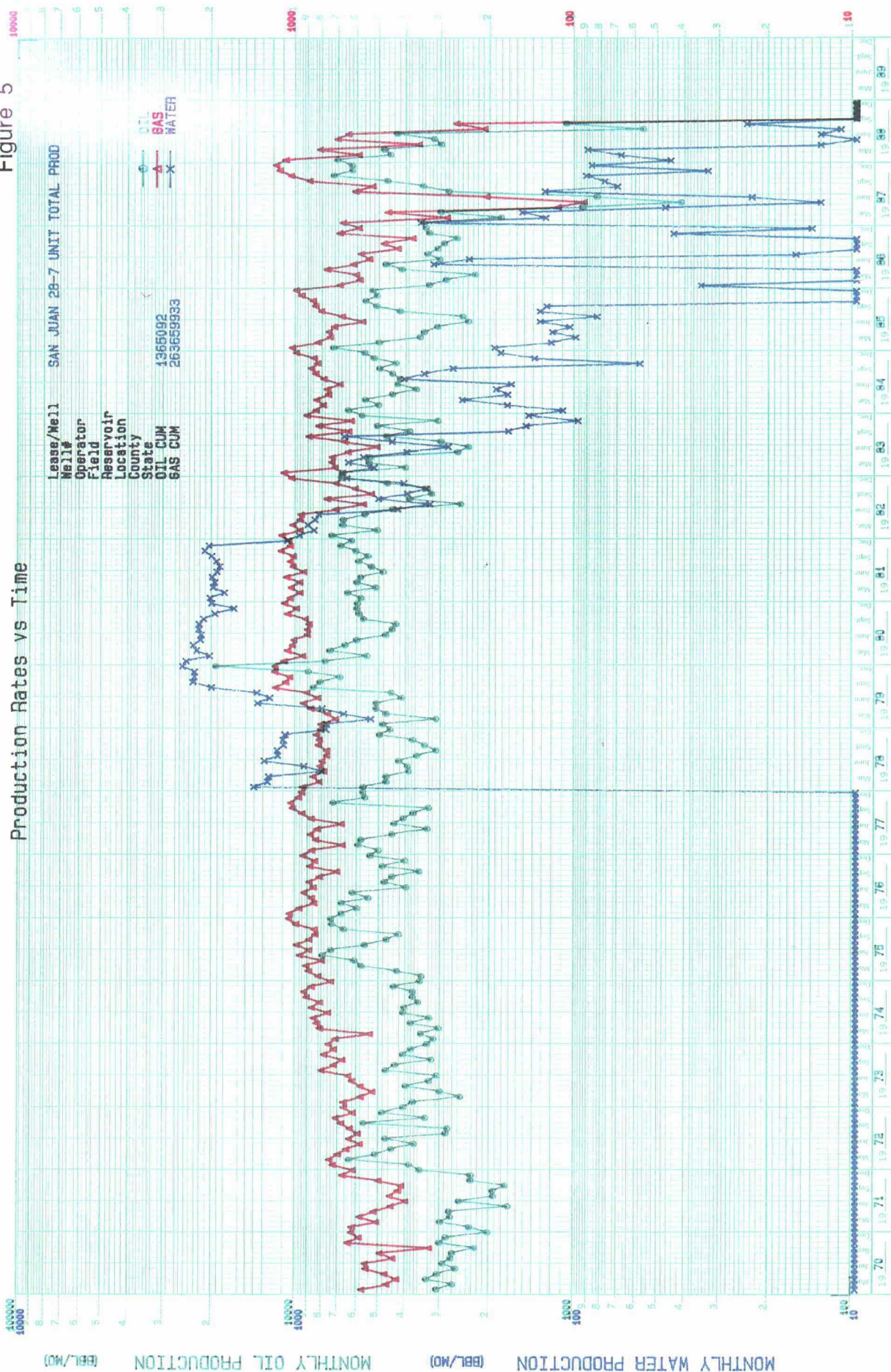


Figure 6

Production Rates vs Time

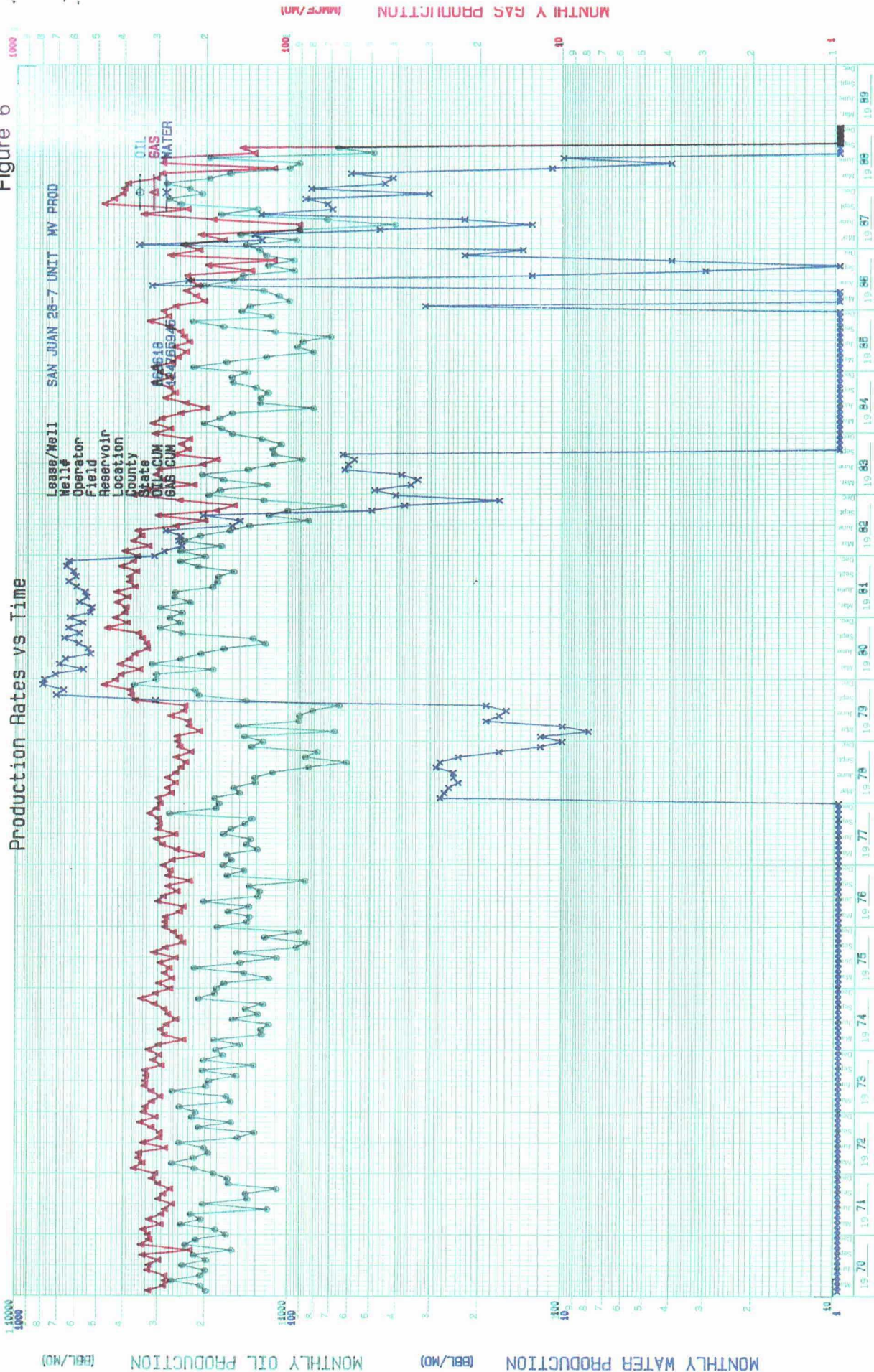


Figure 7

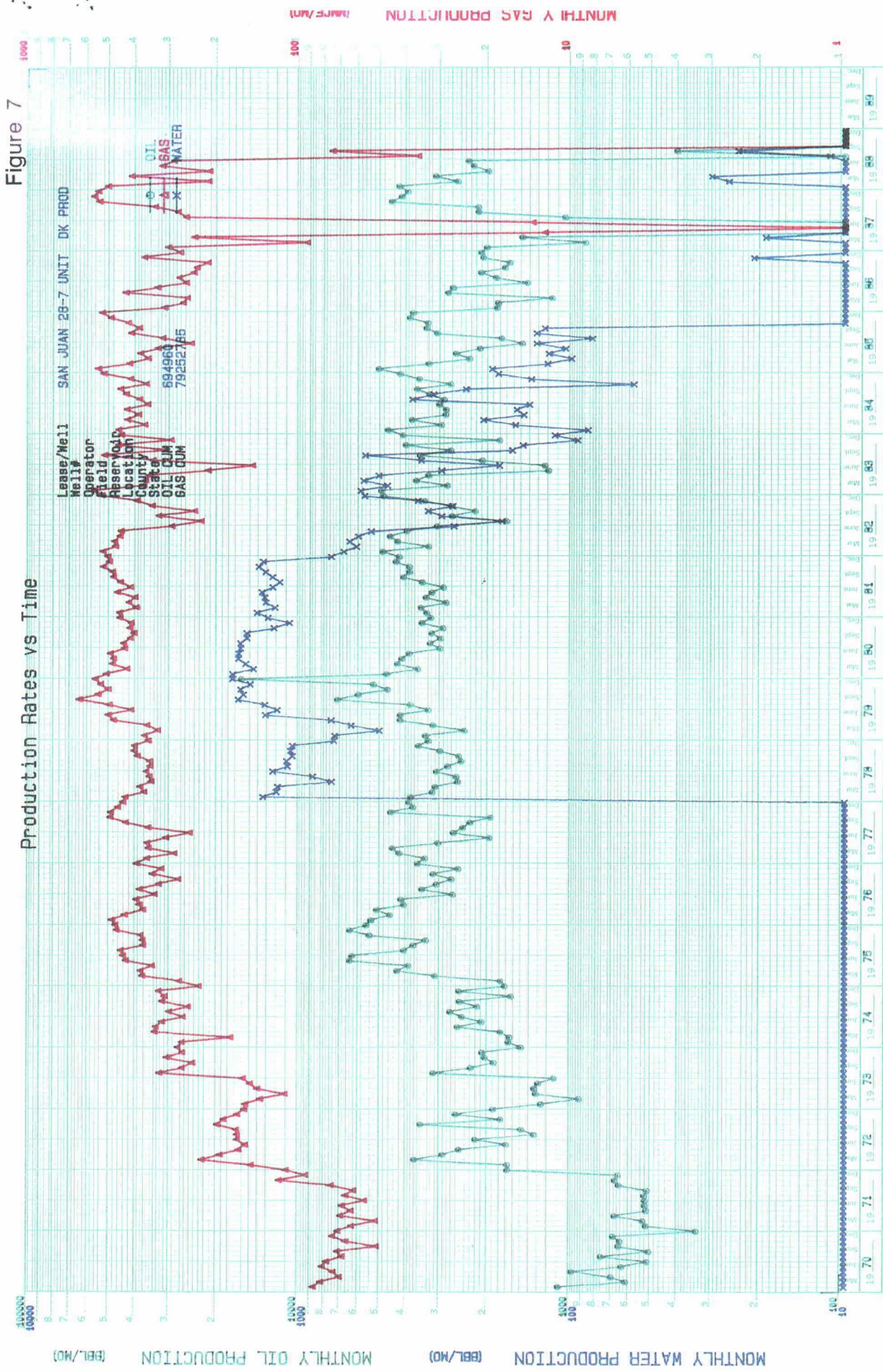


Figure 8

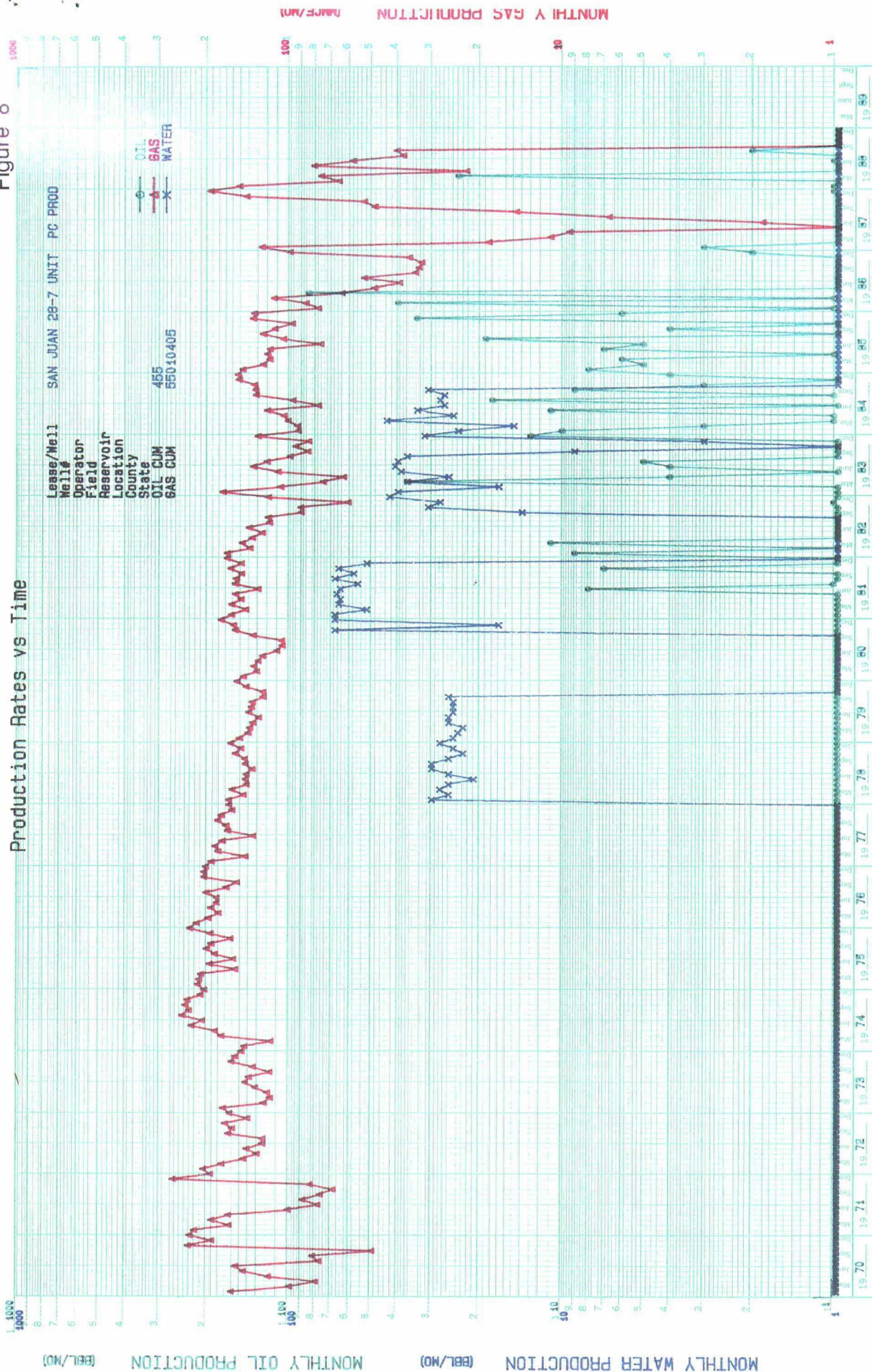
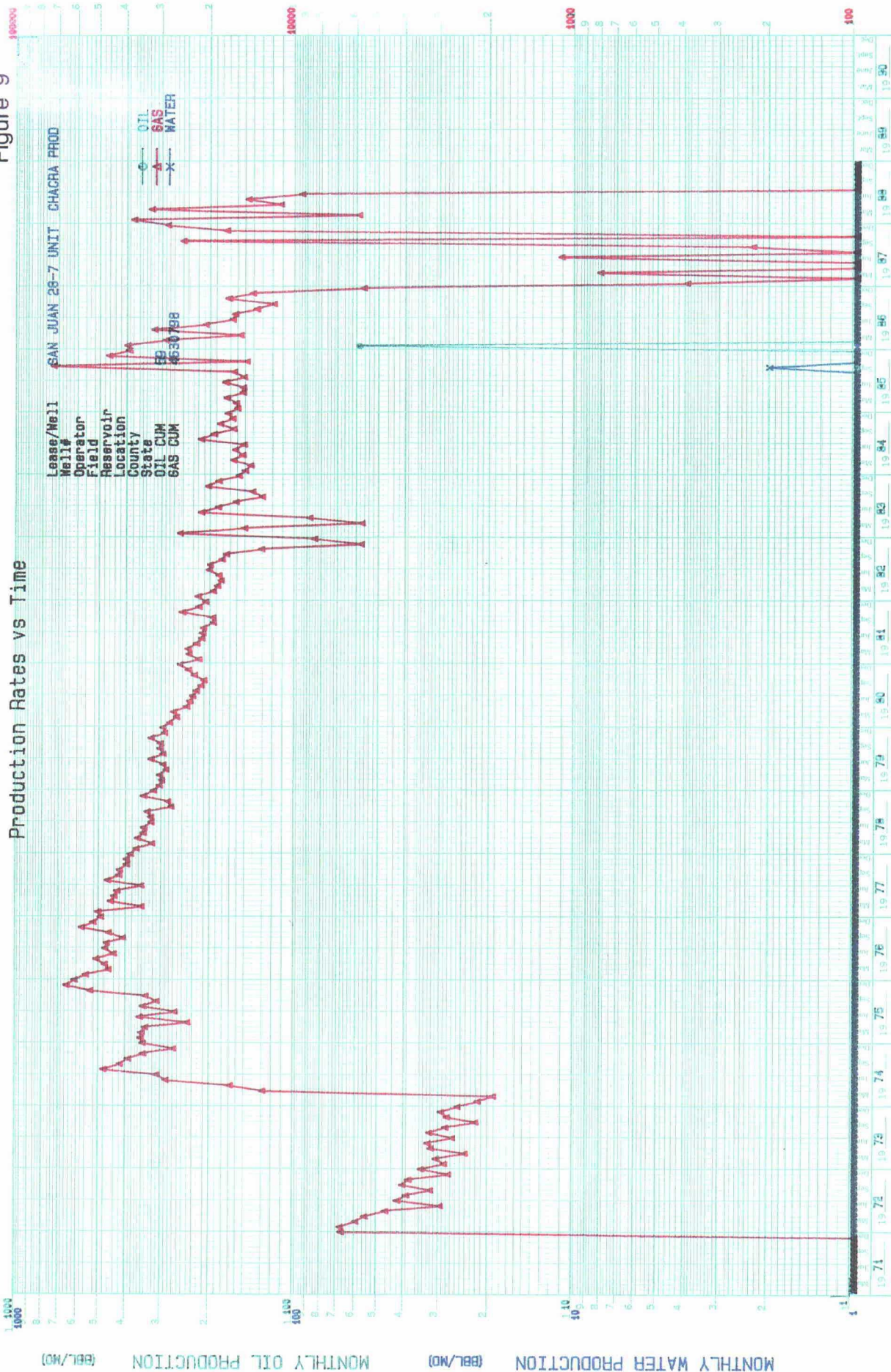


Figure 9

Production Rates vs Time



MONTHLY GAS PRODUCTION (BBL/MO)

MONTHLY OIL PRODUCTION (BBL/MO)

MONTHLY WATER PRODUCTION (BBL/MO)



M. R. Ivy
Division Operations Manager

Amoco Production Company

Southern Division
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

February 17, 1989

Gary Stephens
Bureau of Land Management
Albuquerque District Office
435 Montano N.E.
Albuquerque, NM 87107

Oil Conservation Division
State of New Mexico
P. O. Box 2088
Santa Fe, NM 87504

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87504

File: LF-022-416

San Juan 28-7 Unit #13-08-001-459
Rio Arriba County, New Mexico
Revisions to 31st and 32nd
Expanded Participating Areas
Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, Amoco Production Company, as Unit Operator, is amending the 31st and 32nd Expansions of the Pictured Cliffs Formation Participating Area to include the E/2 of Section 24, T28N, R7W (Figure 1).

On April 21, 1981, El Paso Natural Gas Company, a former operator of the San Juan 28-7 Unit, completed the San Juan 28-7 Unit #51A well, a dual Pictured Cliffs/Mesaverde well in the SW/4 SE/4 of Section 24, T28N-R7W.

The Mesaverde formation completion was within the existing Mesaverde Participating Area and the costs associated with the Mesaverde formation were shared by the Mesaverde Participating Area owners. The Pictured Cliffs completion was not within the Pictured Cliffs Participating Area and the costs associated with the Pictured Cliffs formation were borne by the Drilling Block owners.

Bureau of Land Management
Oil Conservation Division
Commissioner of Public Lands
February 17, 1989
Page 2

The Pictured Cliffs formation initial production rate for well #51A was 824 mcf per day. Cumulative production as of January 1, 1989 was 260 mmcf. It is Amoco's analysis that the Pictured Cliffs production was commercial and the E/2 of Section 24, T28N, R7W, containing 320.00 acres, should have been included in the 31st Expansion of the Pictured Cliffs formation Participating Area which was effective May 1, 1981. The 32nd Expansion of the Pictured Cliffs Participating Area was effective June 1, 1981 and is still in effect today. A decline curve is attached for the 51A along with its completion report. The Pictured Cliffs' share of the cost of this well is estimated to be 96 M\$.

Attached hereto are the revised unit area expansion schedules for the 31st and 32nd Expanded Participating Areas for the Pictured Cliffs formation. These schedules describe the participating area tracts, show the percentage of unitized substances allocated to each tract, and identify ownership in each tract.

All working interest owners in the Pictured Cliffs Participating Area have approved these revisions. They will become effective, retroactive to May 1, 1981 and June 1, 1981 respectively, once we receive BLM approval.

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

Sincerely,

MR Ivy 107

AAB:pe:6312R

Attachments

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS
PICTURED CLIFFS FORMATION PARTICIPATING AREA

Dave Wacker
Conoco, Inc.
P. O. Box 460
Hobbs, NM 88240

Meridian Oil, Inc.
Land Department
P. O. Box 4289
Farmington, NM 87499-4289

Mesa Petroleum Company
Onshore Operations Division
P. O. Box 2009
Amarillo, TX 79189

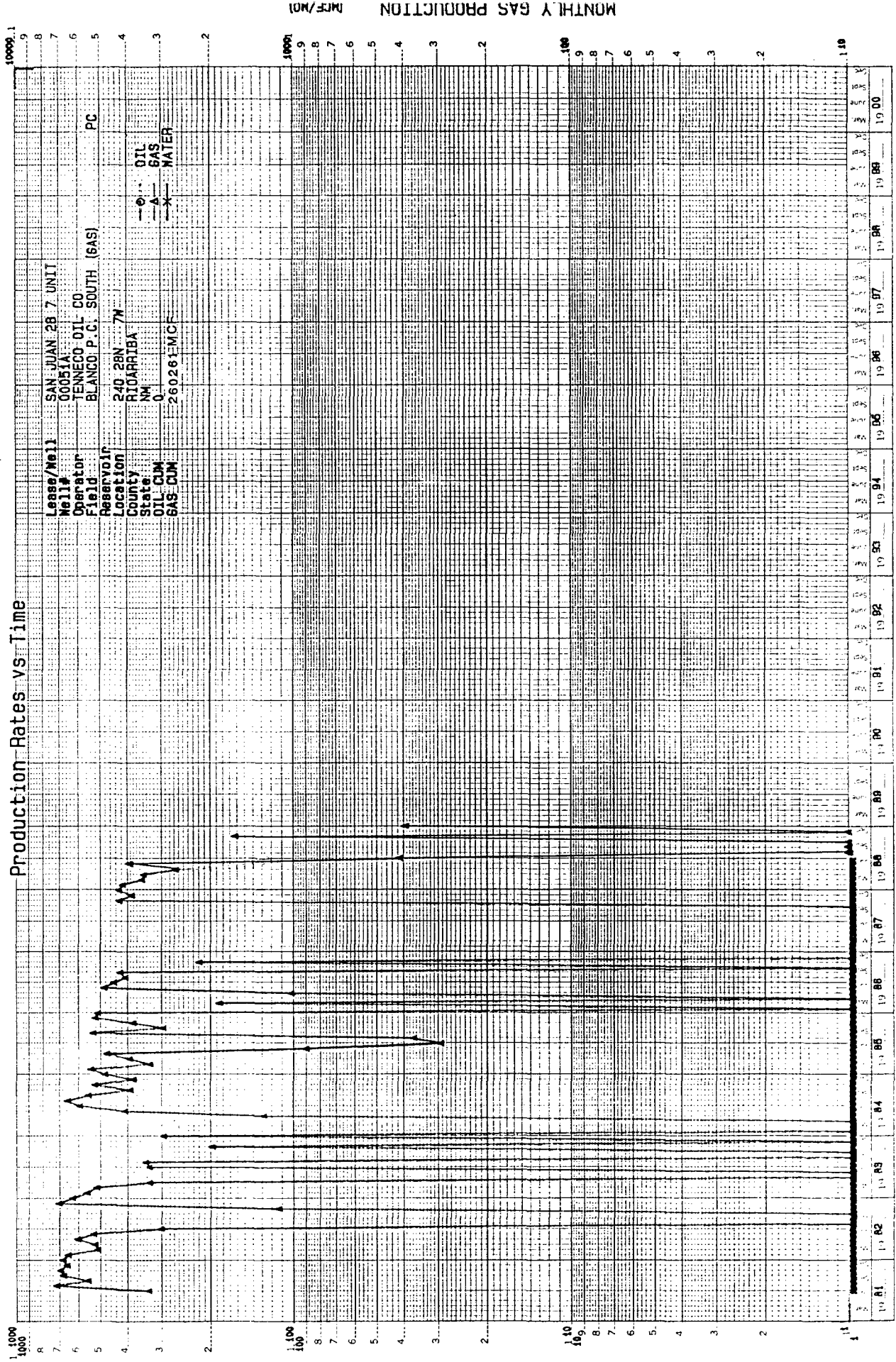
W. G. Peavy Oil Company
221 Woodcrest
Richardson, TX 75080

Thelma Ford Simmons Estate
C/O A. B. Geren, Jr.
P. O. Box 1469
Farmington, NM 87499

Donald L. Mau
University of Texas Law School Foundation
727 E. 26th Street
Austin, TX 78736

Union Oil Company of California
P. O. Box 850
Bloomfield, NM 87413



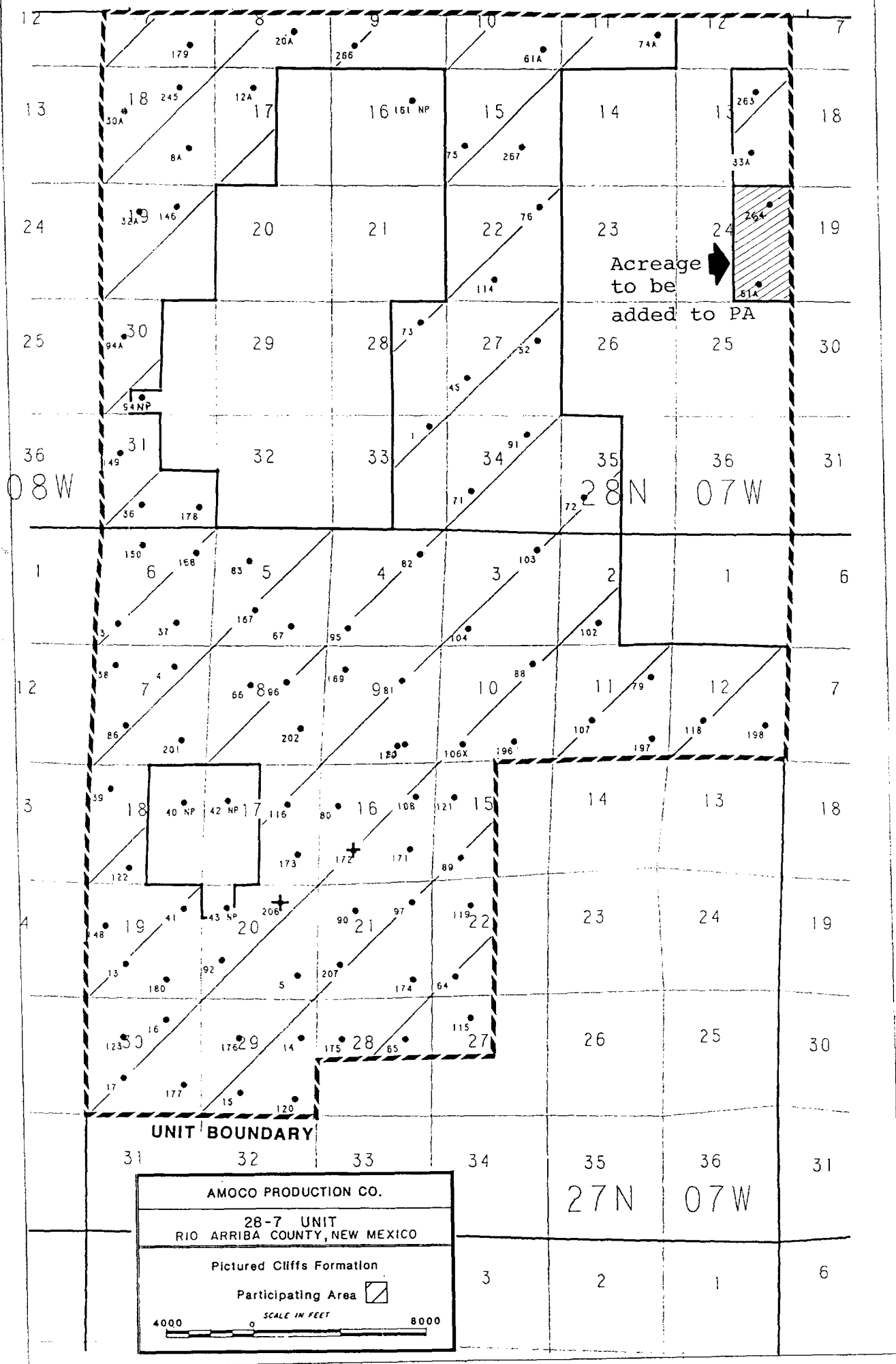


MONTHLY OIL PRODUCTION (BBL/MO)

MONTHLY WATER PRODUCTION (BBL/MO)

MONTHLY GAS PRODUCTION (MCF/MO)

FIGURE 1



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

3. NAME OF OPERATOR
El Paso Natural Gas Company

4. ADDRESS OF OPERATOR
P.O. Box 289, Farmington, NM 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 800'S, 1520'E
At top prod. interval reported below
At total depth

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 7-18-80 16. DATE T.D. REACHED 7-24-80 17. DATE COMPL. (Ready to prod.) 4-21-81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6243' GL

20. TOTAL DEPTH, MD & TVD 5593' 21. PLUG, BACK T.D., MD & TVD 5573' 22. IF MULTIPLE COMPL., HOW MANY* 2 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0-5593' CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4610-5550(MV) 2970-3047' (PC)

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
IEL; IL-GR; CDL-GR; Temp. Survey

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	40#	228'	13 3/4"	224 cf.	
7"	20#	3287'	8 3/4"	282 cf.	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	3116	5593'	426	1 1/4"	3020'	3108'
				2 3/8"	5527'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
90, 5194, 5202, 5208, 5224, 5240, 5254, 5260		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
85, 5293, 5347, 5357, 5393, 5435, 5, 5461,		5190-5550'	51,000# sd, 11,240 gal. wtr.
37, 5501, 5550', 4610, 4624, 4631, 4666,		4610-5110'	51,000# sd, 153,000 gal. wtr.
74, 4720, 4729, 4860, 4923, 5021, 5090,		2970-3047'	49,940# sd, 69,940 gal. wtr.
00, 5110' w/1 SPZ. 2970-80, 2980-90, 2998-			

33. 3013, 3018-30, 3040-47' W/15 SPZ. PRODUCTION
DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) Shut-In

DATE OF TEST 1-21-81 HOURS TESTED 3 hrs. CHOKER SIZE _____ PROD'N. FOR TEST PERIOD _____ OIL—BBL. _____ GAS—MCF. _____ WATER—BBL. _____ GAS-OIL RATIO _____
FLOW, TUBING PRESS. SI 1035 CASING PRESSURE SI 1035 CALCULATED 24-HOUR RATE _____ OIL—BBL. _____ GAS—MCF. PC 824, MW 2783 MCF/D WATER—BBL. _____ OIL GRAVITY-API (CORR.) _____
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY John Easley

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED M. B. Duico TITLE Drilling Clerk DATE April 27, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See Instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTS, CUBIC FEET USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERY				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VENT. DEPTH
				O. A.	2383	
				Kirtland	2559'	
				Fruitland	3044'	
				P. C.	3308'	
				Chacra	4271'	
				M. V.	4943'	
				Men.	5056'	
				P. L.	5485'	

CORRECTED

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	T-27-N, R-7-W	280.00	TRACT 1	12.500000%	12.500000%	1.445433%
	Sec. 20: SW/4, S/2			64.625000%	64.625000%	
	NW/4, NE/4 NW/4			22.875000%	22.875000%	
	ORRI			100.000000%	100.000000%	
	TOTAL			100.000000%		
NM 03560	T-27-N, R-7-W	1,281.44	TRACT 2	12.500000%	12.500000%	6.615127%
	Sec. 29: All			63.125000%	63.125000%	
	Sec. 30: All			24.375000%	24.375000%	
	ORRI			100.000000%	100.000000%	
	TOTAL			100.000000%		
SF 078417	T-28-N, R-7-W	760.00	TRACT 3	12.500000%	12.500000%	3.923318%
	Sec. 7: S/2 SE/4, SE/4 SW/4			84.500000%	84.500000%	
	Sec. 17: W/2			3.000000%	3.000000%	
	Sec. 18: E/2			100.000000%	100.000000%	
	TOTAL			100.000000%		
SF 078417-A	T-28-N, R-7-W	320.00	TRACT 4	12.500000%	12.500000%	1.651923%
	Sec. 18: E/2 NW/4			83.500000%	83.500000%	
	Sec. 22: S/2 NW/4, SW/4			4.000000%	4.000000%	
	ORRI			100.000000%	100.000000%	
	TOTAL			100.000000%		

Effective May 1, 1981

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078496							
TRACT 5							
	T-27-N, R-7-W	1,362.24	Royalty		12.500000%	12.500000%	7.032237%
	Sec. 3: N/2		Working Interest				
	Sec. 5: Lots 1,2		El Paso Natural Gas Co.		84.500000%	84.500000%	
	S/2 NE/4		ORRI		3.000000%	3.000000%	
	T-28-N, R-7-W						
	Sec. 27: SE/4, E/2 NE/4						
	Sec. 34: Lots 3,4, N/2						
	SW/4, NW/4						
	Sec. 35: Lots 3,4, N/2						
	SW/4, NW/4						
	TOTAL				100.000000%	100.000000%	
TRACT 6							
	T-27-N, R-7-W	641.83	Royalty		12.500000%	12.500000%	3.313293%
	Sec. 4: N/2		Working Interest				
	T-28-N, R-7-W		El Paso Natural Gas Co.		83.500000%	83.500000%	
	Sec. 34: Lots 1,2		ORRI		4.000000%	4.000000%	
	N/2 SE/4, NE/4				100.000000%	100.000000%	
	TOTAL				100.000000%	100.000000%	
TRACT 7							
	T-28-N, R-7-W	695.52	Royalty		12.500000%	12.500000%	3.590455
	Sec. 7: Lots 1,2,3,4,5		Working Interest				
	Sec. 19: E/2, Lot 1,		El Paso Natural Gas Co.		84.500000%	84.500000%	
	E/2 W/2		ORRI		3.000000%	3.000000%	
	TOTAL				100.000000%	100.000000%	
TRACT 8							
	T-28-N, R-7-W	224.76	Royalty		12.500000%	12.500000%	1.160270%
	Sec. 18: Lots 1,2,		Working Interest				
	3,4, E/2 SW/4		El Paso Natural Gas Co.		83.500000%	83.500000%	
			ORRI		4.000000%	4.000000%	
	TOTAL				100.000000%	100.000000%	
SF 078497-A							

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078498						
	T-28-N, R-7-W	716.32	Royalty	12.500000%	12.500000%	3.697830%
	Sec. 27: W/2 NE/4, W/2		Working Interest			
	Sec. 33: Lots 1,2, N/2 SE/4, NE/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 9					
SF 078498-A						
	T-28-N, R-7-W	200.00	Royalty	12.500000%	12.500000%	1.032452%
	Sec. 28: SE/4, NE/4		Working Interest			
	NE/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 9-A					
SF 078500-A						
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	2.918536%
	Sec. 19: Lots 2,3,4		Working Interest			
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 10					
SF 078500						
	T-28-N, R-7-W	189.30	Royalty	12.500000%	12.500000%	.977216%
	Sec. 30: Lots 1,2,3, E/2 NW/4		Working Interest			
			El Paso Natural Gas Co. ORRI	83.500000% 4.000000%	83.500000% 4.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 10-A					

Effective May 1, 1981

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078565						
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.651923%
	Sec. 5: SE/4		Working Interest	69.000000%	69.000000%	
	Sec. 8: NW/4		El Paso Natural Gas Co.	18.500000%	18.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 11			
SF 078565-A						
	T-27-N, R-7-W	320.52	Royalty	12.500000%	12.500000%	1.654608%
	Sec. 5: Lots 3,4, S/2 NW/4, SW/4		Working Interest	86.500000%	86.500000%	
			El Paso Natural Gas Co.	1.000000%	1.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 12			
SF 078569						
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.651923%
	Sec. 8: SW/4, NE/4		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 13			
SF 078570						
	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.303847%
	Sec. 4: S/2		Working Interest	80.500000%	80.500000%	
	Sec. 8: SE/4		Tenneco Oil Company	7.000000%	7.000000%	
	Sec. 9: NW/4		ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 14			

Effective May 1, 1981

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
SF 078640						
	T-27-N, R-7-W	800.00	Royalty	12.500000%	12.500000%	4.129808%
	Sec. 9: SW/4		Working Interest	82.500000%	82.500000%	
	Sec. 15: W/2		El Paso Natural Gas Co.	5.000000%	5.000000%	
	Sec. 17: E/2		ORRI	100.000000%	100.000000%	
			TOTAL			
				100.000000%		
SF 078640						
	T-27-N, R-7-W	1,760.00	Royalty	12.500000%	12.500000%	9.085578%
	Sec. 20: E/2		Working Interest	82.500000%	82.500000%	
	Sec. 21: A11		El Paso Natural Gas Co.	5.000000%	5.000000%	
	Sec. 22: W/2		ORRI	100.000000%	100.000000%	
	Sec. 27: NW/4		TOTAL			
	Sec. 28: N/2			100.000000%		
SF 078835						
	T-27-N, R-7-W	640.20	Royalty	12.500000%	12.500000%	3.304879%
	Sec. 6: Lots 3,4,5,6, 7, SE/4 NW/4, E/2 SW/4		Working Interest	84.000000%	84.000000%	
	Sec. 7: E/2		El Paso Natural Gas Co.	3.500000%	3.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL			
				100.000000%		
SF 078835-A						
	T-27-N, R-7-W	640.86	Royalty	12.500000%	12.500000%	3.308286%
	Sec. 6: Lots 1,2, S/2 NE/4, SE/4		Working Interest	67.000000%	67.000000%	
	Sec. 7: Lots 1,2,3, 4, E/2 W/2		El Paso Natural Gas Co.	20.500000%	20.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL			
				100.000000%		

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078840						
	T-27-N, R-7-W	320.36	Royalty	12.500000%	12.500000%	1.653782%
	Sec. 18: Lots 1,2,3,4, E/2 W/2		Working Interest	67.000000%	67.000000%	
			El Paso Natural Gas Co.	20.500000%	20.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 18			
SF 078840						
	T-27-N, R-7-W	641.15	Royalty	12.500000%	12.500000%	3.309783%
	Sec. 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)		Working Interest	67.000000%	67.000000%	
			El Paso Natural Gas Co.	20.500000%	20.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 18-A			
SF 078972						
	T-27-N, R-7-W	1,600.00	Royalty	12.500000%	12.500000%	8.259616%
	Sec. 3: S/2		Working Interest	70.000000%	70.000000%	
	Sec. 10: A11		El Paso Natural Gas Co.	17.500000%	17.500000%	
	Sec. 11: A11		ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 19			
SF 078972-A						
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.651923%
	Sec. 9: E/2		Working Interest	66.667000%	66.667000%	
			El Paso Natural Gas Co.	6.666000%	6.666000%	
			Waymon G. Peavy			
			Margaret Hotchkiss, Ancillary			
			Admin. of the Est. of A.			
			Harvey Arant, Dec'd. &			
			Ancillary Guardian of			
			Lylla Arant	6.667000%	6.667000%	
			ORRI	7.500000%	7.500000%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XXXII
 THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
 SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 079283	T-28-N, R-7-W	696.08	Royalty	TRACT 21	12.500000%	12.500000%	3.593346%
	Sec. 10: Lots 1,2,3,4, S/2S/2 (A11)		Working Interest		59.000000%	69.000000%	
	Sec. 15: E/2		El Paso Natural Gas Co.		18.500000%	18.500000%	
	Sec. 22: N/2NW/4		ORRI		100.000000%	100.000000%	
	TOTAL				100.000000%		
SF 079289-A	T-28-N, R-7-W	640.00	Royalty	TRACT 22	12.500000%	12.500000%	3.303847%
	Sec. 15: W/2		Working Interest				
	Sec. 22: E/2		El Paso Natural Gas Co.		52.500000%	52.500000%	
			Thelma Ford Simmons, Indiv. and as Independent Executrix of the Est. of D. J. Simmons		35.000000%	35.000000%	
	TOTAL				100.000000%	100.000000%	
SF 079290	T-28-N, R-7-W	320.00	Royalty	TRACT 23	12.500000%	12.500000%	1.651923%
	Sec. 13: E/2		Working Interest				
			El Paso Natural Gas Co.		69.000000%	69.000000%	
			ORRI		18.500000%	18.500000%	
	TOTAL				100.000000%	100.000000%	
SF-079290-A	T-28-N, R-7-W	320.00	Royalty	TRACT 24	12.500000%	12.500000%	1.651923%
	Sec. 24: E/2		Working Interest				
			El Paso Natural Gas Co.		52.500000%	52.500000%	
			Thelma F. Simmons, Indiv. and as Independent Executrix of the Est. of D. J. Simmons		35.000000%	35.000000%	
	TOTAL				100.000000%	100.000000%	
SF-079298-B	T-27-N, R-7-W	640.00	Royalty	TRACT 25	12.500000%	12.500000%	3.303847%
	Sec. 12: A11		Working Interest				
			El Paso Natural Gas Co.		81.500000%	81.500000%	
			ORRI		6.000000%	6.000000%	
	TOTAL				100.000000%	100.000000%	

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 290-28			TRACT 28			
	T-27-N, R-7-W	238.96	Royalty	12.500000%	12.500000%	1.233574%
	Sec. 2: Lots 3,4, SW/4		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	100.000000%	100.000000%	
E 290-33			TRACT 31			
	T-27-N, R-7-W	80.00	Royalty	12.500000%	12.500000%	0.412981%
	Sec. 2: S/2 NW/4		Working Interest	75.000000%	75.000000%	
			El Paso Natural Gas Co.	12.500000%	12.500000%	
			ORRI	100.000000%	100.000000%	
E 4425-25			TRACT 32			
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.206490%
	Sec. 16: NW/4 NW/4		Working Interest	83.500000%	83.500000%	
			El Paso Natural Gas Co.	4.000000%	4.000000%	
			ORRI	100.000000%	100.000000%	
E 4425-48			TRACT 33			
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.206490%
	Sec. 16: NE/4 NW/4		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	100.000000%	100.000000%	

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4 *During periods of payout, Mesa's Working Interest converts to a 12.5% ORRI	40.00	Royalty Working Interest El Paso Natural Gas Co. *Mesa Petroleum Co. ORRI	12.500000% 50.700000% 33.800000%* 3.000000%	12.500000% 50.700000% 33.800000%* 3.000000%	0.206490%
	TOTAL			100.000000%	100.000000%	
	TRACT 34					
E 2825-6	T-27-N, R-7-W Sec. 16: SE/4 NW/4, SW/4, E/2 *During periods of payout, Mesa's Working Interest converts to a 12.5% ORRI	520.00	Royalty Working Interest El Paso Natural Gas Co. *Mesa Petroleum Co. ORRI	12.500000% 49.500000% 33.000000%* 5.000000%	12.500000% 49.500000% 33.000000%* 5.000000%	2.684375%
	TOTAL			100.000000%	100.000000%	
	TRACT 35					
	T-28-N, R-7-W Sec. 28: W/2 NE/4, SE/4 NE/4 Sec. 30: Lot 4, E/2 SW/4	236.46	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 87.500000% 0.000000%	12.500000% 87.500000% 0.000000%	1.220668%
	TOTAL			100.000000%	100.000000%	
	TRACT 36					
Fee						

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 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 28 North, Range 7 West, N.M.P.M.
Section 7: Lots 1,2,3,4,5, SE/4, SW/4, S/2 SE/4
Section 10: Lots 1,2,3,4, S/2 S/2 (A11)
Sections 15, 17, 35: W/2
Sections 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
Sections 13, 15, 24, 28, 33: E/2
Sections 22, 27, 34: A11
Section 30: Lots 1,2,3,4, E/2 W/2
Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4,
NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
Sections 17, 20: E/2
Sections 2, 15, 18, 22: W/2
Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: A11
Section 20: SW/4, S/2 NW/4, N/2 NW/4
Section 27: NW/4
Section 28: N/2

Total Number of Acres in Participating Area: 19,371.36%
Total Number of Acres Committed to Participating Area: 19,371.36%

Percent of Basic Royalty Committed: 100.000000
Percent of Working Interest Committed: 100.000000
Percent of ORRI Committed: 100.000000

CORRECTED

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521						
	T-27-N, R-7-W	280.00	Royalty	12.500000%	12.500000%	1.381499%
	Sec. 20: SW/4, S/2		Working Interest			
	NW/4, NE/4 NW/4		El Paso Natural Gas Co.	64.625000%	64.625000%	
			ORRI	22.875000%	22.875000%	
			TOTAL	100.000000%	100.000000%	
NM 03560						
	T-27-N, R-7-W	1,281.44	Royalty	12.500000%	12.500000%	6.322529%
	Sec. 29: A11		Working Interest			
	Sec. 30: A11		El Paso Natural Gas Co.	63.125000%	63.125000%	
			ORRI	24.375000%	24.375000%	
			TOTAL	100.000000%	100.000000%	
SF 078417						
	T-28-N, R-7-W	840.00	Royalty	12.500000%	12.500000%	4.144497%
	Sec. 7: S/2 SE/4,		Working Interest			
	SE/4 SW/4		El Paso Natural Gas Co.	84.500000%	84.500000%	
	Sec. 8: S/2 SW/4					
	Sec. 17: W/2		ORRI	3.000000%	3.000000%	
	Sec. 18: E/2					
			TOTAL	100.000000%	100.000000%	
SF 078417-A						
	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.578856%
	Sec. 18: E/2 NW/4		Working Interest			
	Sec. 22: S/2 NW/4,		El Paso Natural Gas Co.	83.500000%	83.500000%	
	SW/4		ORRI	4.000000%	4.000000%	
			TOTAL	100.000000%	100.000000%	

Effective June 1, 1981

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078496	T-27-N, R-7-W	1,362.24	Royalty	12.500000%	12.500000%	6.721190%
	Sec. 3: N/2		Working Interest			
	Sec. 5: Lots 1,2		El Paso Natural Gas Co.	84.500000%	84.500000%	
	S/2 NE/4		ORRI	3.000000%	3.000000%	
	T-28-N, R-7-W					
	Sec. 27: SE/4, E/2 NE/4					
	Sec. 34: Lots 3,4, N/2					
	SW/4, NW/4					
	Sec. 35: Lots 3,4, N/2					
	SW/4, NW/4					
TOTAL				100.000000%	100.000000%	
TRACT 5						
SF 078496-A	T-27-N, R-7-W	641.83	Royalty	12.500000%	12.500000%	3.166741%
	Sec. 4: N/2		Working Interest			
	T-28-N, R-7-W		El Paso Natural Gas Co.	83.500000%	83.500000%	
	Sec. 34: Lots 1,2		ORRI	4.000000%	4.000000%	
	N/2 SE/4, NE/4			100.000000%	100.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 6					
SF 078497	T-28-N, R-7-W	919.56	Royalty	12.500000%	12.500000%	4.537040%
	Sec. 7: Lots 1,2,3,4,5		Working Interest			
	Sec. 8: Lots 1,2,3,4,					
	S/2 SE/4					
	Sec. 19: E/2, Lot 1,		El Paso Natural Gas Co.	84.500000%	84.500000%	
	E/2 W/2		ORRI	3.000000%	3.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 7					

Effective June 1, 1981

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078497-A	<u>TRACT 8</u>					
	T-28-N, R-7-W	524.40	Royalty	12.500000%	12.500000%	2.587350%
	Sec. 9: Lots 1,2,3,4, S/2 S/2 (All)					
	Sec. 18: Lots 1,2, 3,4, E/2 SW/4		Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000%	83.500000% 4.000000%	
			TOTAL	100.000000%	100.000000%	
	<u>TRACT 9</u>					
	T-28-N, R-7-W	716.32	Royalty	12.500000%	12.500000%	3.534269%
	Sec. 27: W/2 NE/4, W/2		Working Interest	84.500000%	84.500000%	
	Sec. 33: Lots 1,2, N/2 SE/4, NE/4		El Paso Natural Gas Co. ORRI	3.000000% 100.000000%	3.000000% 100.000000%	
			TOTAL	100.000000%	100.000000%	
SF 078498-A	<u>TRACT 9-A</u>					
	T-28-N, R-7-W	200.00	Royalty	12.500000%	12.500000%	0.986785%
	Sec. 28: SE/4, NE/4		Working Interest	84.500000%	84.500000%	
	NE/4		El Paso Natural Gas Co. ORRI	3.000000% 100.000000%	3.000000% 100.000000%	
			TOTAL	100.000000%	100.000000%	
	<u>TRACT 10</u>					
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	2.789444%
	Sec. 19: Lots 2,3,4		Working Interest	84.500000%	84.500000%	
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co. ORRI	3.000000% 100.000000%	3.000000% 100.000000%	
			TOTAL	100.000000%	100.000000%	
SF 078500-A	<u>TRACT 10</u>					
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	2.789444%
	Sec. 19: Lots 2,3,4		Working Interest	84.500000%	84.500000%	
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co. ORRI	3.000000% 100.000000%	3.000000% 100.000000%	
			TOTAL	100.000000%	100.000000%	
	<u>TRACT 10</u>					
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	2.789444%
	Sec. 19: Lots 2,3,4		Working Interest	84.500000%	84.500000%	
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co. ORRI	3.000000% 100.000000%	3.000000% 100.000000%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078500	<u>TRACT 10-A</u>					
	T-28-N, R-7-W	189.30	Royalty	12.500000%	12.500000%	0.933992%
	Sec. 30: Lots 1, 2, 3, E/2 NW/4		Working Interest	83.500000%	83.500000%	
			El Paso Natural Gas Co.	4.000000%	4.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%	100.000000%	
	<u>TRACT 11</u>					
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.578856%
	Sec. 5: SE/4		Working Interest	69.000000%	69.000000%	
	Sec. 8: NW/4		El Paso Natural Gas Co.	18.500000%	18.500000%	
		ORRI	100.000000%	100.000000%		
		TOTAL	100.000000%	100.000000%		
SF 078565-A	<u>TRACT 12</u>					
	T-27-N, R-7-W	320.52	Royalty	12.500000%	12.500000%	1.581422%
	Sec. 5: Lots 3, 4, S/2 NW/4, SW/4		Working Interest	86.500000%	86.500000%	
			El Paso Natural Gas Co.	1.000000%	1.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%	100.000000%	
	<u>TRACT 13</u>					
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.578856%
	Sec. 8: SW/4, NE/4		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%		
SF 078569	<u>TRACT 13</u>					
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.578856%
	Sec. 8: SW/4, NE/4		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%	
	<u>TRACT 13</u>					
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.578856%
	Sec. 8: SW/4, NE/4		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 XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078570	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.157712%
	Sec. 4: S/2		Working Interest			
	Sec. 8: SE/4		Tenneco Oil Company	80.500000%	80.500000%	
	Sec. 9: NW/4		ORRI	7.000000%	7.000000%	
	TOTAL			100.000000%	100.000000%	
			TRACT 14			
SF 078640	T-27-N, R-7-W	800.00	Royalty	12.500000%	12.500000%	3.947140%
	Sec. 9: SW/4		Working Interest			
	Sec. 15: W/2		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 17: E/2		ORRI	5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
			TRACT 15-A			
SF 078640	T-27-N, R-7-W	1,760.00	Royalty	12.500000%	12.500000%	8.683708%
	Sec. 20: E/2		Working Interest			
	Sec. 21: A11		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 22: W/2		ORRI	5.000000%	5.000000%	
	Sec. 27: NW/4			100.000000%	100.000000%	
			TRACT 16			
SF 078835	T-27-N, R-7-W	640.20	Royalty	12.500000%	12.500000%	3.158699%
	Sec. 6: Lots 3,4,5,6,		Working Interest			
	7, SE/4 NW/4, E/2 SW/4		El Paso Natural Gas Co.	84.000000%	84.000000%	
	Sec. 7: E/2		ORRI	3.500000%	3.500000%	
	TOTAL			100.000000%	100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078835-A	T-27-N, R-7-W Sec. 6: Lots 1,2, S/2 NE/4, SE/4 Sec. 7: Lots 1,2,3, 4, E/2 W/2	640.86	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 17	12.500000%	12.500000%	3.161955%
					67.000000%	67.000000%	
					20.500000%	20.500000%	
					100.000000%	100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 20</u>							
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty Working Interest El Paso Natural Gas Co. Waymon G. Peavy Margaret Hotchkiss, Ancillary Admin. of the Est. of A. Harvey Arant, Dec'd. & Ancillary Guardian of Lylla Arant ORRI		12.500000%	12.500000%	1.578856%
					66.667000%	66.667000%	
					6.666000%	6.666000%	
			TOTAL		6.667000%	6.667000%	
					7.500000%	7.500000%	
					100.000000%	100.000000%	
<u>TRACT 21</u>							
SF 079289	T-28-N, R-7-W Sec. 10: Lots 1,2,3,4 S/2 S/2 (A11) Sec. 15: E/2 Sec. 22: N/2 NW/4	696.08	Royalty Working Interest El Paso Natural Gas Co. ORRI		12.500000%	12.500000%	3.434406%
					69.000000%	69.000000%	
					18.500000%	18.500000%	
			TOTAL		100.000000%	100.000000%	
<u>TRACT 22</u>							
SF 079289-A	T-28-N, R-7-W Sec. 11: Lots 1,2,3,4 S/2 S/2 (A11) Sec. 15: W/2 Sec. 22: E/2	932.80	Royalty Working Interest El Paso Natural Gas Co. Thelma Ford Simmons, Indiv. and as Independent Executrix of the Est. of D. J. Simmons		12.500000%	12.500000%	4.602365%
					52.500000%	52.500000%	
			TOTAL		35.000000%	35.000000%	
					100.000000%	100.000000%	

SCHEDULE XXXII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079290	T-28-N, R-7-W Sec. 13: E/2	320.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 23 12.500000% 69.000000% 18.500000% 100.000000%	12.500000% 69.000000% 18.500000% 100.000000%	1.578356%
			TOTAL			
			TRACT 24			
SF-079290-A	T-28-N, R-7-W Sec. 24: E/2	320.00	Royalty Working Interest El Paso Natural Gas Co. Thelma F. Simmons, Indiv. and as Indep. Executrix of the Est. of D. J. Simmons	12.500000% 52.500000% 35.000000%	12.500000% 52.500000% 35.000000%	1.578356%
			TOTAL			
			TRACT 26			
SF-079298-B	T-27-N, R-7-W Sec. 12: A11	640.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 81.500000% 6.000000% 100.000000%	12.500000% 81.500000% 6.000000% 100.000000%	3.157712%
			TOTAL			
			TRACT 28			
E 290-28	T-27-N, R-7-W Sec. 2: Lots 3,4, SW/4	238.96	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	1.179011%
			TOTAL			
			TRACT 31			
E 290-33	T-27-N, R-7-W Sec. 2: S/2NW/4	80.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 75.000000% 12.500000% 100.000000%	12.500000% 75.000000% 12.500000% 100.000000%	0.394714%
			TOTAL			

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-25	TRACT 32					
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.197356%
	Sec. 16: NW/4 NW/4		Working Interest			
			El Paso Natural Gas Co.	83.500000%	83.500000%	
			ORRI	4.000000%	4.000000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 33					
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.197357%
	Sec. 16: NE/4 NW/4		Working Interest			
			El Paso Natural Gas Co.	82.500000%	82.500000%	
E 4425-48			ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 34					
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.197356%
	Sec. 16: SW/4 NW/4		Working Interest			
	*During periods of		El Paso Natural Gas Co.	50.700000%	50.700000%	
	payout, Mesa's		*Mesa Petroleum Co.	33.800000%*	33.800000%*	
	Working Interest		ORRI	3.000000%	3.000000%	
	converts to a		TOTAL	100.000000%	100.000000%	
	12.5% ORRI					
E 2825-6	TRACT 35					
	T-27-N, R-7-W	520.00	Royalty	12.500000%	12.500000%	2.565641%
	Sec. 16: SE/4 NW/4,		Working Interest			
	SW/4, E/2		El Paso Natural Gas Co.	49.500000%	49.500000%	
	*During periods of		*Mesa Petroleum Co.	33.000000%*	33.000000%*	
	payout, Mesa's		ORRI	5.000000%	5.000000%	
	Working Interest		TOTAL	100.000000%	100.000000%	
	converts to a					
	12.5% ORRI					

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 36						
	T-28-N, R-7-W	236.46	Royalty	12.500000%	12.500000%	1.166676%
	Sec. 28: W/2 NE/4,		Working Interest			
	SE/4 NE/4		El Paso Natural Gas Co.	87.500000%	87.500000%	
	Sec. 30: Lot 4, E/2		ORRI	0.000000%	0.000000%	
	SW/4			100.000000%	100.000000%	
	TOTAL					

Fee

Effective June 1, 1981

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

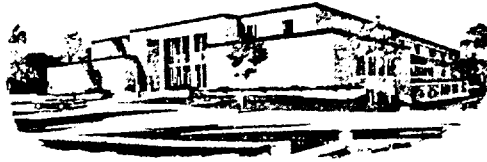
Description of Lands in Participating Area:

Township 28 North, Range 7 West, N.M.P.M.
 Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
 Section 8: Lots 1,2,3,4, S/2 S/2
 Section 9: Lots 1,2,3,4, S/2 S/2
 Section 10: Lots 1,2,3,4, S/2 S/2 (A11)
 Section 11: Lots 1,2,3,4, S/2 S/2
 Sections 15, 17, 35: W/2
 Sections 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
 Sections 13, 15,24, 28, 33: E/2
 Sections 22, 27, 34: A11
 Section 30: Lots 1,2,3,4, E/2 W/2
 Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4,
 NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
 Sections 17, 20: E/2
 Sections 2, 15, 18, 22: W/2
 Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: A11
 Section 20: SW/4, S/2 NW/4, N/2 NW/4
 Section 27: NW/4
 Section 28: N/2

Total Number of Acres in Participating Area:	20,267.84%
Total Number of Acres Committed to Participating Area:	20,267.84%
Percent of Basic Royalty Committed:	100.000000%
Percent of Working Interest Committed:	100.000000%
Percent of ORRI Committed:	100.000000%

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

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

December 28, 1988

Northwest Pipeline Corporation
Attn: Mr. Darrell L. Gillen
P. O. Box 8900
Salt Lake City, Ut 84108-0899

Re: San Juan 32-8 Unit
San Juan County, NM
Rejection of 20th Participating
Area Mesaverde Formation

Gentlemen:

The Bureau of Land Management has advised this office by their letter of November 4, 1988, that your application requesting approval of the 20th Participating Area, Mesaverde Formation, San Juan 32-8 Unit, San Juan County, New Mexico has been rejected.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management that the San Juan Unit Well No. 50 is not capable of producing unitized substances in paying quantities from the Mesaverde formation and should therefore be produced on a lease basis.

Enclosed you will find the unapproved 20th Mesaverde Formation Participating Area. If we may be of further help please do not hesitate to call on us.

Very truly yours,

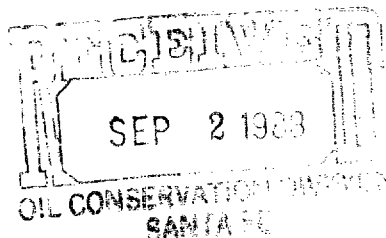
W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*

FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.
cc: OCD
BLM

AUG 29 1988



San Juan 28-7 (POB)
3180 (015)

Tenneco Oil Co.
ATTN: Louis D. Jones
P.O. Box 3249
Englewood, CO 80155

Gentlemen:

One approved copy of your 1988 Plan of Development for the San Juan 28-7 Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing the drilling of the San Juan 28-7 well No. 264 (E $\frac{1}{2}$ Section 24, T. 28 N., R. 7 W.) in the Pictured Cliffs Formation, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

Starting with the 1989 Plan of Development, please provide the following information in your annual Plan of Development.

1. A summary of operations for the past year which should include up-to-date maps showing the latest geologic interpretations, all wells and participating area boundaries. Should there be no changes from one year to another, reference may be made to the most recent map submitted.
2. A list showing the status of all wells.
3. Performance curves covering the productive life of each horizon under a participating area, including injectivity curves.
4. Your plans for development within the unit area for the next year.
5. Pertinent data as to the effectiveness of the enhanced recovery project (if applicable). This information should include data on current and cumulative water injection rates, current and cumulative water, gas, and oil production and current water-oil ratios. A short discussion as to the general progress of the flood and any significant changes in any phase of the project should also be included.

All plans of development are to be filed in triplicate.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 761-4503.

Sincerely,

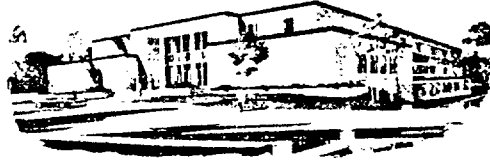
[s] Gary A. Stephens
Assistant District Manager
Mineral Resources

FOR

Enclosure

cc: NMOC, Santa Fe Comm. of Pub. Lands, Santa Fe
015:CK-ja:8/24/88:0313M
NM-019

State of New Mexico



SLO REF NO OG-868

W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

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

August 26, 1988

Tenneco Oil Company
Attn: Mr. Louis D. Jones
P. O. Box 3249
Englewood Colorado 80155

Re: 1988 Plan of Development
San Juan 28-7 Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

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

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.
cc: OCD
BLM

Tenneco Oil Company

A Tenneco Company

Rocky Mountain Division
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address
6162 South Willow Drive
Englewood, Colorado 80111



445

July 20, 1988

Bureau of Land Management
South Central Region
P.O. Box 6770
Albuquerque, New Mexico 87197

Oil Conservation Division
State of New Mexico
P.O. Box 2008
Santa Fe, New Mexico 87501

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

RE: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1988 Plan of Development

Gentlemen:

By letter dated March 27, 1987, Tenneco Oil Company, as Unit Operator for the San Juan 28-7 Unit, filed a Drilling Program for the calendar year 1987. The program provided for the drilling of no wells.

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs, Commercial	43
Mesaverde, Commercial	63
Pictured Cliffs/Mesaverde Dual, Commercial	36
Pictured Cliffs/Chacra Dual, Commercial	15
Mesaverde/Dakota Dual, Commercial	2
Dakota, Commercial	112
Chacra, Commercial	11
Pictured Cliffs, Non-Commercial	4
Mesaverde, Non-Commercial	2
Plugged and abandoned	2
Pictured Cliffs/Chacra Dual (Chacra, Non-Commercial)	<u>1</u>
	291

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, Tenneco Oil Company, as Unit Operator, submits a Drilling Program providing for the drilling of the described well during the calendar year 1988:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
264	E/2 Section 24, T28N-R7W	Pictured Cliffs

All affected working interest owners have been contacted and approval provisions of the Unit Operating Agreement followed. We believe that all current obligations have been satisfied and that the 1988 Drilling Program reflects the desires of the unit owners.

Tenneco Oil 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 Tenneco Oil Company to the attention of Kevin G. Heringer.

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

Sincerely,

TENNECO OIL COMPANY


K.H. Louis D. Jones
DM Division Production Manager

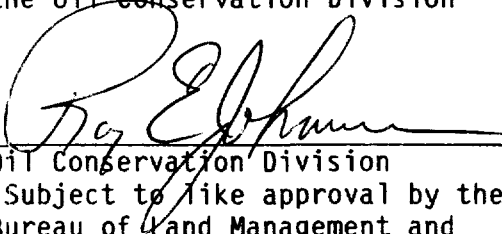
LDJ/KGH/tf

APPROVED: _____
Bureau of Land Management
(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
Bureau of Land Management and
the Oil Conservation Division)

DATED: _____

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

DATED: 8-18-88

The foregoing approvals are for the 1988 Drilling Program for the San Juan
28-7 Unit, #14-03-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT WORKING INTEREST OWNERS

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Texaco Producing Inc.

Koch Industries, Inc.

Dixie M. McLane Grandchildren Trust
c/o B. J. Chenault, C.P.A.

Mesa Petroleum Company

W. G. Peavy Oil Company

McMORAN Oil & Gas Co.

The Thelma Ford Simmons Estate

Tenneco Oil Exploration and Production

James Glenn Turner, Jr.

MBank Dallas, N.A.
as Trustees under a Trust
Agreement created for the benefit
of Mary Frances Turner

John Lee Turner

Union Oil Company of California

University of Texas Law School Foundation

The Wiser Oil Company

Meridian Oil Inc.

State of New Mexico

445



SLO REF. NO. OG-392

W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

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

September 2, 1987

Tenneco Oil Co.
Attention: Harry Hufft
P. O. Box 3249
Englewood, Colorado 80155

Re: San Juan 28-7 Unit
1987 Plan of Development

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all appropriate agencies.

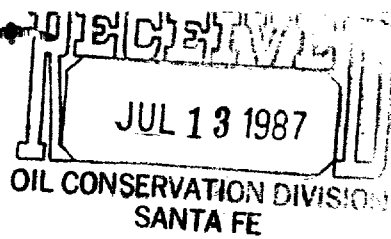
If we may be of further help, please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil & Gas Division
(505) 827-5744

WRH/FOP/ams
enclosure
cc: Bureau of Land Management
Oil Conservation Division



JUL 10 1987

SJ 28-7 (POB)
3180 (015)

Tenneco Oil Company
ATTN: Harry Hufft
P.O. Box 3249
Englewood, CO 80155

Gentlemen:

An approved copy of your 1987 Plan of Development for the San Juan 28-7 Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing no development drilling during 1987, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 761-4503.

Sincerely,

[Signature: Ed Vogelbein]

Assistant District Manager
Mineral Resources

Enclosures

cc:

✓ NM-016
✓ NMOCB, Santa Fe
Comm. of Pub. Lands, Santa Fe
015:RKent:klm:7-5-87:3268M

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



April 13, 1987

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2028
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Attention: Harry Hufft

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1987 Plan of Development

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON,
Senior Petroleum Geologist

REJ/dr

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

#445

Tenneco Oil Company

A Tenneco Company



Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address
6162 South Willow Drive
Englewood, Colorado 80111

March 27, 1987

Bureau of Land Management
South Central Region
P.O. Box 6770
Albuquerque, New Mexico 87197

Oil Conservation Division ✓
State of New Mexico
P.O. Box 2008
Santa Fe, New Mexico 87501

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87501

RE: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1987 Plan of Development

Gentlemen:

By letter dated January 10, 1986, Tenneco Oil Company, as Unit Operator for the San Juan 28-7 Unit, filed a Drilling Program for the calendar year 1986. The program provided for the drilling of two (2) Pictured Cliffs wells, eight (8) Mesaverde wells, eleven (11) Dakota wells, two (2) Pictured Cliffs/Dakota dual wells and six (6) Mesaverde/Dakota dual wells. Tenneco drilled and completed four (4) of the twenty-nine (29) scheduled wells. The remaining twenty-five (25) wells were cancelled due to current market conditions and the decline in gas prices. The wells drilled and completed are as follows:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
35A	W/2 Section 1, T27N-R7W	Mesaverde
52A	E/2 Section 27, T28N-R7W	Mesaverde
58A	W/2 Section 29, T28N-R7W	Mesaverde
263	E/2 Section 13, T28N-R7W	Pictured Cliffs

In addition, Tenneco also sidetracked and cased the following open hole Mesaverde wells:

<u>Well No.</u>	<u>Location</u>	<u>Formation</u>
#9	SW/4SW/4 Section 14, T28N-R7W	Mesaverde
#32	NW/4SW/4 Section 19, T28N-R7W	Mesaverde
#6	SE/4SW/4 Section 16, T28N-R7W	Mesaverde
#26	SW/4SW/4 Section 24, T28N-R7W	Mesaverde
#23	NE/4NE/4 Section 15, T28N-R7W	Mesaverde

Tenneco also set a liner and restimulated the following open hole Pictured Cliffs well:

<u>Well No.</u>	<u>Location</u>	<u>Formation</u>
#5	SE/4SE/4 Section 20, T27N-R7W	Pictured Cliffs

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs, Commercial	43
Mesaverde, Commercial	63
Pictured Cliffs/Mesaverde Dual, Commercial	36
Pictured Cliffs/Chacra Dual, Commercial	15
Mesaverde/Dakota Dual, Commercial	2
Dakota, Commercial	112
Chacra, Commercial	11
Pictured Cliffs, Non-Commercial	4
Mesaverde, Non-Commercial	2
Plugged and abandoned	2
Pictured Cliffs/Chacra Dual (Chacra, Non-Commercial)	<u>1</u>
	291

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, Tenneco Oil Company, as Unit Operator, submits a Drilling Program providing for the drilling of no wells during the calendar year 1987.

All affected working interest owners have been contacted and approval provisions of the Unit Operating Agreement followed. We believe that all current obligations have been satisfied and that the 1987 Drilling Program reflects the desires of the unit owners.

Tenneco Oil 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.

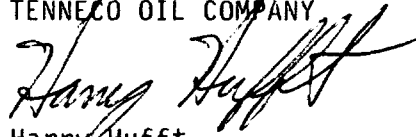
Page 3

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 Tenneco Oil Company to the attention of Kevin G. Heringer.

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

Sincerely,

TENNECO OIL COMPANY

A handwritten signature in dark ink, appearing to read "Harry Hufft", written over the printed name.

Harry Hufft
Division Production Manager

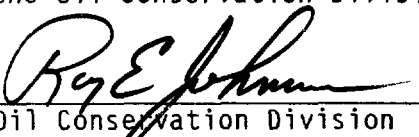
HH/KGH/lh
Enc.

APPROVED: _____
Bureau of Land Management
(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
Bureau of Land Management and
the Oil Conservation Division)

DATED: _____

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

DATED: 4-6-87

The foregoing approvals are for the 1987 Drilling Program for the San Juan
28-7 Unit, #14-03-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT WORKING INTEREST OWNERS

Minatome Corporation

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Texaco Producing, Inc.

Koch Exploration Company

Dixie M. McLane Grandchildren Trust
c/o B. J. Chenault, C.P.A.

Mesa Petroleum Company

W. G. Peavey Oil Company

Petro-Lewis Corporation

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
% A. B. Geren, Jr.

Southern Methodist University

Frederick Eugene Turner

James Glenn Turner, Jr.

M Bank Dallas N.A., Trust No. 6743
Trustee for the benefit of Mary Frances Turner, Jr.

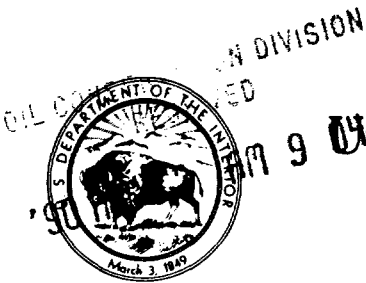
John Lee Turner

Union Oil Company of California

University of Texas Law School Foundation

The Wiser Oil Company

Meridian Oil Inc.



9 United States Department of the Interior

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401



IN REPLY REFER TO:

San Juan 28-7 Unit (POD)
3180 (019)

AUG. 01 1990

Amoco Production Company
P. O. Box 800
Denver, CO 80201

Gentlemen:

One approved copy of your 1990 Plan of Development for the San Juan 28-7 Unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing the drilling of 25 new Fruitland Coal wells, was approved on this date (subject to like approval by the appropriate officials of the State of New Mexico).

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Kenny Howell, Petroleum Engineer, at the above address or telephone (505) 327-5344.

Sincerely,

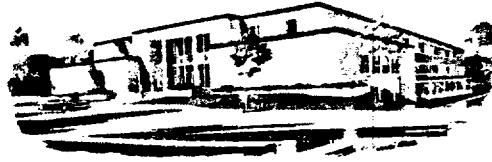
John L. Keller, Chief
Branch of Mineral Resources

cc: State of New Mexico, Commissioner of Public Lands, P. O. Box 1148,
Santa Fe, NM 87504
New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206,
Santa Fe, NM 87503

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

September 11, 1986

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

Meridian Oil
ATTENTION: Mr. Alan Alexander
P. O. Box 4289
Farmington, New Mexico 87499

Re: San Juan 29-7 Unit, Eighth
Expanded Participating Area.
Dakota Formation. Effective March
1, 1985, Rio Arriba County, New
Mexico

Gentlemen:

The Bureau of Land Management has notified this office that the eighth revision to the Dakota Participating Area for the San Juan 29-7 Unit Agreement was approved effective as of **March 1, 1985**.

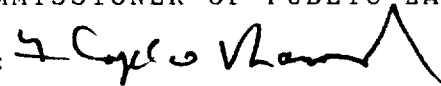
The Commissioner of Public Lands concurs with the Bureau of Land Management and has also this date approved the eighth revision to the Dakota Participating Area Effective as March 1, 1985.

The Eleventh revision adds 640.00 acres to the Dakota Participating Area and is described as All of Section 26, Township 26 North, Range 7 West. The Dakota Participating Area now contains a total of 11,964.82 acres and is predicated upon the successful completion of the San Juan 29-7 Unit Well No. 123.

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

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 

FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

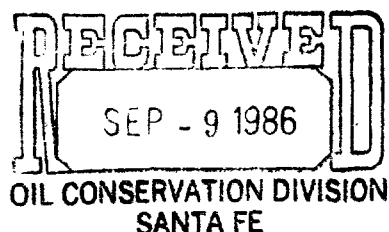
JB/FOP/pm

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

SEP 01 1986

SJ 28-7 (CK PA)
3100 (015)



Meridian Oil
Attn: Alan Alexander
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

We have received your letter of June 4, 1985, in which you requested approval of the eighth and ninth revisions to the Chacra Participating Area in the San Juan 28-7 Unit, Rio Arriba County, New Mexico. We have also reviewed the additional information that was submitted by your letter of July 30, 1985.

The application for approval of the eighth revision seeks to add 321.15 acres described as lots 1-4, E $\frac{1}{2}$ W $\frac{1}{2}$ (W $\frac{1}{2}$) section 19, T. 27 N., R. 7 W., NMPM to the Chacra Participating Area. The revision is based on the completion of the San Juan 28-7 unit well No. 268. The eighth revision was approved on this date and is effective as of February 1, 1984.

The application for approval of the ninth revision seeks to add 321.44 acres described as lots 1-4, E $\frac{1}{2}$ W $\frac{1}{2}$ (W $\frac{1}{2}$) section 30, T. 27 N., R. 7 W., NMPM to the Chacra Participating Area. The revision is based on the completion of the San Juan 28-7 unit well No. 269. The ninth revision was approved on this date and is effective as of March 1, 1984.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 766-2841.

Sincerely,

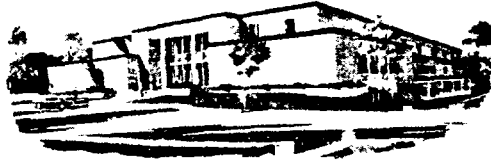
(Only Signed) - GARY A. STEPHENS

For District Manager

cc:
Micrographics (943B-1)
FRA (016)
-NMOCD
Com. Public Lands
O&G chron
015:RKent:klm:9-4-86:2186M

State of New Mexico

#445



JIM BACA
COMMISSIONER

Commissioner of Public Lands

February 10, 1986

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

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1986 Plan of Development

ATTENTION: Mr. Harry Hufft

Gentlemen:

The Commissioner of Public Lands has this date approved your 1986 Plan of Development for the San Juan 28-7 Unit Area, Rio Arriba County, New Mexico. Such plan proposes to drill eight Mesaverde wells, eleven Dakota wells, two Pictured Cliffs wells, six Mesaverde/Dakota wells, and two Pictured Cliffs/Dakota wells. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/FOP/pm
encls.

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

Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

SJ 28-7
Unit (POD)
3100 (015)

FEB 04 1986

Tenneco Oil Company
ATTN: Harry Hufft
P.O. Box 3249
Englewood, CO 80155

Gentlemen:

An approved copy of your 1986 Plan of Development for the San Juan 28-7 Unit area, Rio Arriba County, is enclosed. Such plan, proposing to drill eight Mesaverde wells, eleven Dakota wells, two Pictured Cliffs wells, six Mesaverde/Dakota wells, and two Pictured Cliffs/Dakota wells, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed, [Signature])

For District Manager

Enclosure(s)

cc:

✓ NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
O&G Chron

015:RKent:klm:2-2-86:1470M

Tenneco Oil Company

A Tenneco Company



Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6162 South Willow Drive
Englewood, Colorado 80111

January 10, 1986

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

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 2008
Santa Fe, New Mexico 87501

RE: San Juan 28-7 Unit #14-08-001-59
Rio Arriba County, New Mexico
1986 Plan of Development

Gentlemen:

By letter dated May 8, 1985, El Paso Natural Gas Company, as Unit Operator for the San Juan 28-7 Unit, filed a Drilling Program for the calendar year 1985. This program provided for the drilling of five (5) wells. All of these have been drilled and completed.

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs, Commercial	42
Mesaverde, Commercial	60
Pictured Cliffs/Mesaverde Dual, Commercial	36
Pictured Cliffs/Chacra Dual, Commercial	15
Mesaverde/Dakota Dual, Commercial	2
Dakota, Commercial	112
Chacra, Commercial	11
Pictured Cliffs, Non-Commercial	4
Mesaverde, Non-Commercial	2
Plugged and abandoned	2
Pictured Cliffs/Chacra Dual (Chacra, Non-Commercial)	<u>1</u>
	287

Bureau of Land Management
 Commissioner of Public Lands
 Oil Conservation Division
 January 10, 1986
 Page 2

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, Tenneco Oil Company, as successor Unit Operator, submits the following Drilling Program for the calendar year 1986.

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
#6A	W/2 Section 16, T28N, R7W	Mesaverde
#35A	W/2 Section 1, T27N, R7W	Mesaverde
#45A	W/2 Section 27, T28N, R7W	Mesaverde
#46A	E/2 Section 16, T28N, R7W	Mesaverde
#47A	E/2 Section 20, T28N, R7W	Mesaverde
#52A	E/2 Section 27, T28N, R7W	Mesaverde
#58A	W/2 Section 29, T28N, R7W	Mesaverde
#75A	W/2 Section 15, T28N, R7W	Mesaverde
#128M	E/2 Section 12, T27N, R7W	Mesaverde/Dakota
#147E	E/2 Section 9, T27N, R7W	Dakota
#154E	E/2 Section 17, T27N, R7W	Dakota
#155E	W/2 Section 22, T27N, R7W	Dakota
#156M	E/2 Section 10, T27N, R7W	Mesaverde/Dakota
#157M	E/2 Section 11, T27N, R7W	Mesaverde/Dakota
#159M	E/2 Section 22, T28N, R7W	Mesaverde/Dakota
#166E	W/2 Section 16, T27N, R7W	Dakota
#182E	E/2 Section 3, T27N, R7W	Pictured Cliffs/Dakota
#184E	W/2 Section 9, T27N, R7W	Dakota
#203E	W/2 Section 27, T27N, R7W	Dakota
#216E	E/2 Section 8, T27N, R7W	Dakota
#218E	S/2 Section 12, T28N, R7W & NE/4SE/4 Section 11, T28N, R7W	Pictured Cliffs/Dakota
#220M	W/2 Section 22, T28N, R7W	Mesaverde/Dakota
#228E	W/2 Section 8, T27N, R7W	Dakota
#236E	E/2 Section 6, T27N, R7W	Dakota
#253E	E/2 Section 7, T27N, R7W	Dakota
#258M	W/2 Section 23, T28N, R7W	Mesaverde/Dakota
#260E	E/2 Section 5, T27N, R7W	Dakota
#262	S/2 Section 8, T28N, R7W	Pictured Cliffs
#263	E/2 Section 13, T28N, R7W	Pictured Cliffs

In addition, Tenneco Oil Company plans to sidetrack and case the following open hole Mesaverde wells:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
#9	SW/4SW/4 Section 14, T28N, R7W	Mesaverde
#32	NW/4SW/4 Section 19, T28N, R7W	Mesaverde
#6	SE/4SW/4 Section 16, T28N, R7W	Mesaverde
#26	SW/4SW/4 Section 24, T28N, R7W	Mesaverde

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
January 10, 1986
Page 3

Tenneco Oil Company also plans to set liners in, and restimulate the following open hole Pictured Cliffs wells:

<u>Well No.</u>	<u>Location</u>	<u>Formation</u>
#3	SW/4SW/4 Section 6, T27N, R7W	Pictured Cliffs
#4	NW/4NE/4 Section 7, T27N, R7W	Pictured Cliffs
#5	SE/4SE/4 Section 20, T27N, R7W	Pictured Cliffs

All affected working interest owners have been contacted and approval provisions of the Unit Operating Agreement followed. We believe that all current obligations have been satisfied and that the 1986 Drilling Program reflects the desires of the unit owners.

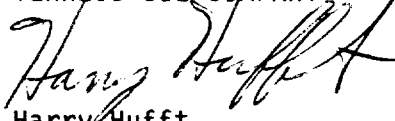
Tenneco Oil Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

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 Tenneco Oil Company to the attention of Kevin G. Heringer.

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

Sincerely,

TENNECO OIL COMPANY



Harry Hufft
Division Production Manager

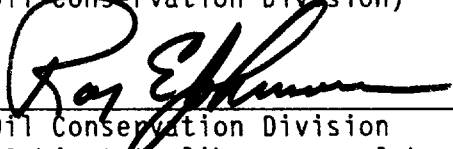
HH/KGH/jba
Enc.

APPROVED: _____
Bureau of Land Management
(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
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

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

DATED: 1-21-86

The foregoing approvals are for the 1986 Drilling Program for the
San Juan 28-7 Unit, #14-03-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT WORKING INTEREST OWNERS

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Texaco Producing Inc.

Koch Industries, Inc.

Dixie M. McLane Grandchildren Trust
c/o B. J. Chenault, C.P.A.

Mesa Petroleum Company

R. B. Payne and R. R. Peavey
Co-Executors of the Estate of Waymon G. Peavy

Petro-Lewis Corporation

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil Exploration and Production

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr. & MBank Dallas N.A.
as Trustees under a Trust Agreement
created for the benefit of Mary Frances Turner, Jr. (3095)

John Lee Turner

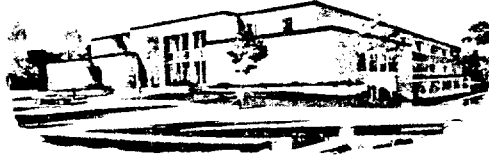
Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

Meridian Oil Inc.

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

December 2, 1985

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

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Resignation - Designation of
Unit Operator
San Juan 28-7 Unit
San Juan County, New Mexico

ATTENTION: Mr. C. Jeffrey Elliott

Gentlemen:

The Commissioner of Public Lands has this date approved the resignation of El Paso Natural Gas Company as unit operator and the designation of Tenneco Oil Company as successor unit operator of the San Juan 28-7 Unit, Rio Arriba County, New Mexico. The effective date is September 1, 1985. Our approval is subject to like approval by the Bureau of Land Management.

Enclosed is an approved copy for your files.

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

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/EDG/pm
encls.

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

Tenneco Oil Company
A Tenneco Company



Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6162 South Willow Drive
Englewood, Colorado 80111

November 5, 1985

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504

Attention: Mr. Ray D. Graham

RE: Resignation - Designation of
Unit Operator
San Juan 28-7 Unit
San Juan County, NM
PA-81

Gentlemen:

As per the terms of Articles 5 and 6 of the San Juan 28-7 Unit Agreement, enclosed please find a true copy of the Resignation of Operator and Designation of Successor Operator, naming Tenneco Oil Company as operator of the San Juan 28-7 Unit.

Also enclosed are copies of pertinent correspondence between Tenneco, the Bureau of Land Management, and Working Interest Owners of said unit.

Please advise should you require anything further.

Sincerely,

TENNECO OIL COMPANY

C. Jeffrey Elliott
Senior Title Analyst

CJE/pb

Enclosures

State of New Mexico

#445



JIM BACA
COMMISSIONER



Commissioner of Public Lands

October 11, 1985

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

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Resignation-Designation
of Unit Operator
San Juan 28-7 Unit
Rio Arriba County, New Mexico

ATTENTION: Mr. Millard F. Carr

Gentlemen:

The Bureau of Land Management has notified this office that you have transmitted copies of documents entitled "Resignation of Unit Operator and Designation of Successor Unit Operator" by which El Paso Natural Gas Company resigns as unit operator of the San Juan 28-7 Unit and Tenneco Oil Company is designated as the Successor Unit Operator.

As per Articles 5 and 6 of the San Juan 28-7 Unit Agreement, please submit a copy of these documents to this office.

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

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/RDG/pm
encls.
cc:

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

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

San Juan 28-7
Unit
3100 (015)

OCT 03 1985

Tenneco Oil Company
ATTN: Millard F. Carr
P.O. Box 3249
Englewood, CO 80155

Gentlemen:

Your letter of September 23, 1985, transmitted five copies of a "Resignation of Unit Operator and Designation of Successor Unit Operator" by which El Paso Natural Gas Company resigns as unit operator and Tenneco Oil Company is designated as unit operator of the San Juan 28-7 Unit, Rio Arriba County, New Mexico, effective as of September 1,

The resignation of El Paso Natural Gas Co. as unit operator and the designation of Tenneco Oil Co. as successor unit operator are hereby accepted for record purposes.

If you have any questions, please contact Gary Stephens at the above address or telephone (505) 766-2841.

Sincerely,

[Orig. Signed] - Sid Vogelpohl

For District Manager

Enclosure

cc:
El Paso Natural Gas Co.
P.O. Box 4289
Farmington, NM 87499
(with enclosure)

cc:
✓ NMOCD
Comm. of Public Lands, Santa Fe
Micrographics 943B-1 (w/enc)
Fluids Section 016
O&G Chron

015:RBartel:klm:10-2-85:1150M

Tenneco Oil Company

A Tenneco Company



Western Rocky Mountain Division

PO Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6162 South Willow Drive
Englewood, Colorado 80111

September 23, 1985

Mr. Gary Stephens
Bureau of Land Management
Albuquerque District Office
P.O. Box 6770
Albuquerque, New Mexico 87197-6770

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
(PA-4236)

Dear Mr. Stephens:

Enclosed are two executed and three xerox copies of Resignation of Unit Operator and Designation of Successor Unit Operator signed by El Paso Natural Gas Company, Conoco Inc. and Tenneco Oil Company. This combines the resignation of El Paso Natural as Unit Operator and the designation of Tenneco Oil Company as successor Unit Operator.

Also enclosed is a copy of Tenneco's letter of September 17, 1985 to the remaining working interest owners in the San Juan 28-7 Unit, requesting their execution of a counterpart of the enclosed instrument. While we will furnish you copies of additional executed counterparts when received from other working interest owners, the enclosed executed copies fully authorize Tenneco's taking over operations since the Unit Agreement only requires a majority vote. The working interests of El Paso Natural, Conoco and Tenneco aggregate over 78% of the working interests in the entire Unit Area including the completely expanded Dakota participating area. The aggregate interests of the three companies also exceed 90% in the Mesaverde participating area and 95% in the Pictured Cliffs and Chacra participating areas.

As discussed in our telephone conversation last week, Tenneco will plan to assume unit operations on October 1, 1985.

Yours very truly,

Millard F. Carr
Senior Division Attorney

MFC/ps/2883L
Encls.

cc: John Keller - Bureau of Land Management, Farmington, N.M.
Working Interest Owners

Tenneco Oil Company
A Tenneco Company



Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6162 South Willow Drive
Englewood, Colorado 80111

September 17, 1985

TO: THE WORKING INTEREST OWNERS IN THE CAPTIONED UNIT

Re: San Juan 28-7 Unit
Rio Arriba County, NM
PA-81

Gentlemen:

Effective September 1, 1985, El Paso Natural Gas Company (in final settlement of litigation commencing in 1973) reassigned to Tenneco Oil Company and Conoco Inc. all El Paso's working interest in the San Juan 28-7 Unit Area originally derived from assignments made under certain Oil and Gas Lease Sale Agreements executed in the 1950s with Delhi-Taylor Oil Corporation and Three States Natural Gas Company, predecessors in interest of Tenneco and Conoco.

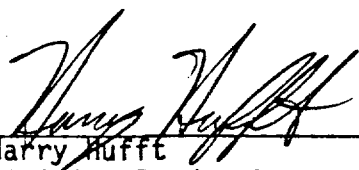
In connection with these reassignments, El Paso and Conoco have agreed to Tenneco's taking over from El Paso operation of this federal unit where the Tenneco/ Conoco working interest is the largest in the Unit Area. We intend to diligently operate these properties both to efficiently increase production where feasible and to pursue additional economic development opportunities.

We are enclosing four copies of a Resignation of Unit Operator and Designation of Successor Unit Operator approving Tenneco's assumption of operations. We would appreciate your execution and return of three copies. If you have any questions, please feel free to call me at (303) 740-4892.

Yours very truly,

TENNECO OIL COMPANY

By:


Harry Hufft
Division Production Manager

HFH/MFC/ps/2858L

Attachment: List of Working Interest Owners
Enclosure: Resignation of Unit Operator and
Designation of Successor Unit Operator

SAN JUAN 28-7 UNIT WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Texaco Producing Inc.

Koch Industries, Inc.

Dixie M. McLane Grandchildren Trust
c/o B. J. Chenault, C.P.A.

Mesa Petroleum Company

R. B. Payne and R. R. Peavey
Co-Executors of the Estate of Waymon G. Peavy

Petro-Lewis Corporation

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil Exploration and Production

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr. & MBank Dallas N.A.
as Trustees under a Trust Agreement
created for the benefit of Mary Frances Turner, Jr. (3095)

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

Burton-Hawks, Inc.
Post Office Box 359
Casper, Wyoming 82601

Elizabeth Jeanne Turner Calloway
4801 St. Johns Dr.
Dallas, Texas 75205

Conoco, Inc.
Attention: Mr. Mark K. Mosley
Post Office Box 460
Hobbs, New Mexico 88240

Texaco Producing, Inc.
Farmington District Office
Post Office Box 2100
Denver, Colorado 80201

Attention: Mr. R. J. Hamilton

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

Dixie M. McLane Grandchildren Trust
c/o B. J. Chenault, C.P.A.
3333 Lee Parkway Suite 630
Dallas, Texas 75219

Mesa Petroleum Co.
Attention: Onshore Operations Division
Post Office Box 2009
Amarillo, Texas 79189

R. B. Payne & R. R. Peavy,
Co-Executors of the Estate of
Waymon G. Peavy
9740 Raven Way
Dallas, Texas 75238

Petro-Lewis Corporation
Central Region
Post Office Box 2250
Denver, Colorado 80201

W. H. Riddle
508 S. Cortez #3
Prescott, Arizona 86301

Mrs. Thelma Ford Simmons
c/o A. B. Geren, Jr.
Post Office Box 1469
Farmington, New Mexico 87499

Southern Methodist University
Attn: Mr. Oran Gentry - Treasurer
Post Office Box 114
Dallas, Texas 75275

Tenneco Oil Exploration & Production
Attention: Vernon F. Gensch
6061 S. Willow Drive
Englewood, Colorado 80155

Mr. Frederick Eugene Turner
One Energy Square, Suite 852
4925 Greenville Ave.
Dallas, Texas 75206

Mr. James Glenn Turner, Jr.
Post Office Box 225415
Dallas, Texas 75265

James Glenn Turner, Jr., & MBank Dallas, N.A.
as Trustees under a Trust Agreement
created for the benefit of Mary
Frances Turner, Jr. (6743)
Post Office Box 225415
Dallas, Texas 75265

Mr. John Lee Turner
800 Diamond Shamrock Tower
Dallas, Texas 75201

Union Oil Company of California
Post Office Box 2620
Casper, Wyoming 82602

University of Texas Law School Foundation
Attention: Mr. Bobby Cook - Business Manager
Post Office Box 7487
Austin, Texas 78712

The Wiser Oil Company
Post Office Box 192
Sisterville, West Virginia 26175

RESIGNATION OF UNIT OPERATOR
AND
DESIGNATION OF SUCCESSOR UNIT OPERATOR

THIS AGREEMENT is entered into by and between El Paso Natural Gas Company, Tenneco Oil Company and the owners of unitized working interests, hereinafter designated individually as "Non-Operator" and collectively as "Non-Operators";

W I T N E S S E T H , T H A T:

WHEREAS, under the provisions of the act of February 25, 1920, 41 Stat, 437, 30 U.S.C. secs 181 et seq., as amended by the act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior or his designated representative has approved the Unit Agreement dated November 18, 1952 for the Development and Operation of the San Juan 28-7 Unit Area, Rio Arriba County, New Mexico.

WHEREAS, El Paso Natural Gas Company is designated as Unit Operator under the terms of said Unit Agreement; and

WHEREAS, El Paso Natural Gas Company herein resigns as such Unit Operator, and the designation of a successor Unit Operator is now required pursuant to the terms of said Unit Agreement; and

WHEREAS, Tenneco Oil Company has been and hereby is designated by Non-Operators as Unit Operator (and by El Paso where El Paso retains any working interest in the unit area) and Tenneco Oil Company desires to assume all the rights, duties, and obligations of Unit Operator under the said Unit Agreement.

NOW, THEREFORE, in consideration of the premises and of the covenants herein contained, Tenneco Oil Company hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator under and pursuant to all of the terms of said Unit Agreement, and Non-Operators covenant and agree that, effective upon approval of this Agreement by the Director of the Bureau of Land Management or his designated representative, Tenneco shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said Unit Agreement; said Unit Agreement, as it may have been heretofore amended, being hereby incorporated herein by reference and made a part hereof as fully and effectively as though said Unit Agreement were expressly set forth in this instrument.

THIS INSTRUMENT may be executed in any number of counterparts, each of which shall be considered an original for all purposes, or may be ratified or consented to by separate instrument in writing specifically referring hereto.

IN WITNESS WHEREOF, this Agreement is executed effective the 1st day of September, 1985.

TENNECO OIL COMPANY

By:

P.W. Cayce, Jr.
P.W. Cayce, Jr.
Attorney-in-Fact

CONOCO INC.

By:

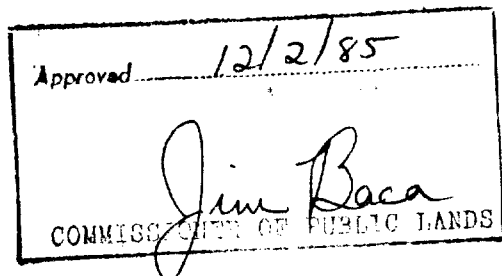
G.E. Darsy
G.E. Darsy
Attorney-in-Fact

EL PASO NATURAL GAS COMPANY

By:

James R. Lument
James R. Lument
Attorney-in-Fact

2831L (2)



Accepted for Record

OCT 03 1985

Sid Ungel
Assistant District Manager
for Minerals
Albuquerque District

PA-81

RESIGNATION OF OPERATOR
AND
DESIGNATION OF SUCCESSOR OPERATOR

BURTON-HAWKS, INC.

By: _____

Elizabeth Jeanne Turner Calloway

CONOCO, INC.

By: _____

TEXACO PRODUCING INC.

By: _____

KOCH INDUSTRIES, INC.

By: _____

Dixie M. McLane Grandchildren Trust
c/o B. J. Chenault, C.P.A.

MESA PETROLEUM COMPANY

By: _____

R. B. Payne and R. R. Peavey,
Co-Executors of the Estate of Waymon G. Peavy

PETRO-LEWIS CORPORATION

By: _____

Mr. W. H. Riddle

RESIGNATION OF OPERATOR
AND
DESIGNATION OF SUCCESSOR OPERATOR

Mrs. Thelma Ford Simmons

Southern Methodist University

TENNECO OIL EXPLORATION AND PRODUCTION

By: _____

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr. & MBank Dallas N.A.
as Trustees under a Trust Agreement
created for the benefit of Mary Frances
Turner, Jr. (3095)

John Lee Turner

UNION OIL COMPANY OF CALIFORNIA

By: _____

University of Texas Law School Foundation

THE WISER OIL COMPANY

By: _____

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
5	Fed	Section 27: SE, E $\frac{1}{2}$ NE	1,689.94	SF-078496 4-1-51	USA 12.5%	Conoco Inc.	All Depths Oil 3.5% Surface to Base MV Gas 3.0% Below Base MV Gas 3.5%	Surface to Top of FC: Amoco Production Co. 50.00000%
		Section 34: Lots 3, 4 N $\frac{1}{2}$ SW, NW						Conoco Inc. 50.00000%
		Section 35: Lots 1, 2, 3, 4, N $\frac{1}{2}$ S $\frac{1}{2}$, N $\frac{1}{2}$ (All)						Top FC to Base of FC: Gas 3.0% Section 3: Lots 1-4, S $\frac{1}{2}$ N $\frac{1}{2}$ (N $\frac{1}{2}$) Section 5: Lots 1, 2, S $\frac{1}{2}$ NE Conoco Inc. 100.00000%
		T-27N, R-7W						Section 27: SE, E $\frac{1}{2}$ NE Amoco Production Co. 75.00000%
6	Fed	Section 3: Lots 1, 2, 3, 4, S $\frac{1}{2}$ N $\frac{1}{2}$ (N $\frac{1}{2}$)	801.83	SF-078496-A 4-1-51	USA 12.5%	El Paso Production Co.	Surface to Base MV 4.0% Below Base MV 3.0%	Conoco Inc. 25.00000%
		Section 34: Lpts 1, 2, N $\frac{1}{2}$ SE, NE						Surface to Base of MV: El Paso Production Co. 100.00000%
		T-28N, R-7W						Below Base of MV (Gas): El Paso Production Co. 87.50000%
		Section 26: SW						Conoco Inc. 12.50000%
7	Fed	Section 7: Lots 1, 2, 3, 4, 5	1,639.56	SF-078497 7-1-49	USA 12.5%	Conoco Inc.	All Depths Oil 3.5% Surface to Base MV Gas 3.0% Below Base MV Gas 3.5%	Below Base of MV (Oil): El Paso Production Co. 75.00000%
		Section 8: Lots 1, 2, 3, 4, S $\frac{1}{2}$ SE						Conoco Inc. 25.00000%
		Section 16: N $\frac{1}{2}$						Surface to Top of FC: Amoco Production Co. 50.00000%
		Section 19: Lot 1, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$						Top FC to Base FC: Gas 3.0% Section 16: N $\frac{1}{2}$ Section 29: W $\frac{1}{2}$ Amoco Production Co. 50.00000%
		Section 20: N $\frac{1}{2}$ SE						Conoco Inc. 50.00000%
		Section 29: W $\frac{1}{2}$						Section 7: Lots 1-5 Section 8: Lots 1-4, S $\frac{1}{2}$ SE Section 19: Lot 1, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ Section 20: N $\frac{1}{2}$ SE Conoco Inc. 100.00000%
								Base FC to Base DK: Conoco Inc. 100.00000%
								Below Base of DK: Amoco Production Co. 50.00000%
								Conoco Inc. 50.00000%

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	OHRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
8	Fed	Section 9: Lots 1, 2, 3, 4, S½ S½ (All) Section 18: Lots 1, 2, 3, 4, E½ SW Section 20: W½	844.40	SF-078497-A 7-1-49	USA 12.5%	El Paso Production Co.	Surface to Base MV 4.0% Below Base MV 3.875%	Surface to Base of MV: El Paso Production Co. Below Base of MV (Gas): El Paso Production Co. Conoco Inc. Below Base of MV (Oil): El Paso Production Co. Conoco Inc. 100.000000% 87.500000% 12.500000% 75.000000% 25.000000%
9	Fed	T-28N, R-7W Section 27: W½, W½ NE Section 28: W½ Section 29: E½ Section 32: Lots 1, 2, N½ SE, NE Section 33: Lots 1, 2, 3, 4, N½ S½, N½ (All)	1,988.00	SF-078498 9-1-50	USA 12.5%	Conoco Inc.	3.0%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base of FC: Section 27: W½, W½ NE Amoco Production Co. Conoco Inc. Section 28: W½ Section 35: Lots 1-4, N½ S½, N½ (All) Amoco Production Co. Conoco Inc. Section 29: E½ Section 32: Lots 1, 2, N½ SE, NE Conoco Inc. Base FC to Base of DK: Conoco Inc. Below Base of DK: Amoco Production Co. Conoco Inc. 50.000000% 50.000000% 25.000000% 75.000000% 25.000000% 100.000000% 100.000000% 100.000000% 50.000000% 50.000000%
9A	Fed	Section 28: SE, NE NE Section 32: Lots 3, 4, N½ SW, NW	515.36	SF-078498-A 9-1-50	USA 12.5%	El Paso Production Co.	Surface to Base MV 4.0% Below Base MV 3.875%	Surface to Base of MV: El Paso Production Co. Below Base of MV (Gas): El Paso Production Co. Conoco Inc. Below Base of MV (Oil): El Paso Production Co. Conoco Inc. 100.000000% 87.500000% 12.500000% 75.000000% 25.000000%

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
10	Fed	T-28N, R-7W	925.36	SF-078500-A 2-1-51	USA 12.5%	Conoco Inc.	3.0%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base of FC: Section 19: Lots 2-4 Conoco Inc. Section 30: W½ NE, NE NE, S½ SE Section 31: Lots 1-5, E½ NW, NE SW Amoco Production Co. Conoco Inc. Section 31: Lots 6, 7, NE, N½ SE Amoco Production Co. Conoco Inc. Base FC to Base DK: Conoco Inc. Below Base of DK: Amoco Production Co. Conoco Inc.
		Section 19: Lots 2, 3, 4 Section 30: W½ NE, NE NE, S½ SE Section 31: Lots 1, 2, 3, 4, 5, 6, 7, E½ NW, NE SW, NE, N½ SE (All)						50.00000% 50.00000% 100.00000% 75.00000% 25.00000% 50.00000% 50.00000% 100.00000% 50.00000% 50.00000%
10A	Fed	Section 30: Lots 1, 2, 3, E½ NW	189.30	SF-078500 2-1-51	USA 12.5%	El Paso Production Co.	Surface to Base MV 4.0% Below Base MV 3.0%	Surface to Base of MV: El Paso Production Co. Below Base of MV (Gas): El Paso Production Co. Conoco Inc. Below Base of MV (Oil): El Paso Production Co. Conoco Inc.
11	Fed	T-27N, R-7W	320.00	SF-078565 4-1-48	USA 12.5%	Conoco Inc.	18.0%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base DK: Conoco Inc. Below Base of DK: Amoco Production Co. Conoco Inc.
		Section 5: SE Section 8: NW						50.00000% 50.00000% 100.00000% 50.00000% 50.00000%
12	Fed	Section 5: Lots 3, 4, S½ NW, SW	320.52	SF-078565-A 4-1-48	USA 12.5%	El Paso Production Co.	Surface to Base MV 1.0%	Surface to Base of MV: El Paso Production Co. Below Base of MV: Koch Exploration Texaco E & P, Inc.
13	Fed	T-27N, R-7W Section 8: NE, SW	320.00	SF-078569 4-1-48	USA 12.5%	W. H. Riddle and Viola Riddle	5.0%	El Paso Production Co. (Gas) W. H. Riddle and Viola Riddle (Oil)

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
14	Fed	Section 4: S/2 Section 8: SE Section 9: NW	640.00	SF-078570 4-1-48	USA 12.5%	Conoco Inc.	7.0%	Surface to Top of FC: Amoco Production Co. Top FC to Base of DK: Conoco Inc. Below Base of DK: Amoco Production Co. 100.000000% 100.000000% 100.000000%
15	Fed	Section 9: SW Section 15: W½ Section 17: E½ Section 20: E½ Section 21: All Section 22: W½ Section 27: NW Section 28: N½	2,560.00	SF-078640 2-1-48	USA 12.5%	El Paso Production Co.	5.0%	El Paso Production Co. 100.000000%
16	Fed	Section 6: Lots 3, 4, 5, 6, 7, SE NW, E½ SW	640.20	SF-078835 10-1-48	USA 12.5%	El Paso Production Co.	3.5%	El Paso Production Co. 100.000000%
17	Fed	Section 6: Lots 1, 2, S½ NE, SE Section 7: Lots 1, 2, 3, 4, E½ W½	640.86	SF-078835-A 10-1-48	USA 12.5%	Conoco Inc.	20.0%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base of DK: Conoco Inc. Below Bases of DK: Amoco Production Co. Conoco Inc. 50.000000% 50.000000% 100.000000% 50.000000% 50.000000%
18	Fed	Section 18: Lots 1, 2, 3, 4, E½ W½, E½ (All) Section 19: Lots 1, 2, 3, 4, E½ W½, E½ (All)	1,281.51	SF-078840 10-1-48	USA 12.5%	Conoco Inc.	20.0%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base of DK: Conoco Inc. Below Base of DK: Amoco Production Co. Conoco Inc. 50.000000% 50.000000% 100.000000% 50.000000% 50.000000%
19	Fed	T-27N, R-7W Section 3: S½ Section 10: All Section 11: All	1,600.00	SF-078972 2-1-48	USA 12.5%	Conoco Inc.	5.0%	Surface to Point Lookout Member of MV: El Paso Production Co. Conoco Inc. Below Point Lookout Member of MV: Conoco Inc. 60.000000% 40.000000% 100.000000%

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28--7 Unit -- Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
20	Fed	Section 9: E½	320.00	SF--078972--A 2--1--48	USA 12.5%	El Paso Production Co. 33.333333% J. Glenn Turner 33.333333% Kathleen M. McLane Trust 5.555555% Michael S. McLane Trust 5.555555% Cindy Brady 5.555555% Dawn J. Turnbull 5.555555% Derrick J. Turnbull 5.555555% Denise J. Turnbull Williams 5.555555%	7.5%	Surface to Top of FC: El Paso Production Co. W. G. Peavey Oil Company University of Texas Law School Foundation Amoco Top of FC to Base of MV: El Paso Production Co. W. G. Peavey Oil Company University of Texas Law School Foundation Conoco Inc. Below Base of MV to 100 ft below the top of the Morrison FM: El Paso Production Co. Kathleen M. McLane Trust Michael S. McLane Trust Cindy Brady Dawn J. Turnbull Derrick J. Turnbull Denise J. Turnbull Williams John Lee Turner Mary F. Turner Trust J. Glenn Turner, Jr. Elizabeth Turner Calloway W. G. Peavey Oil Company University of Texas Law School Foundation Conoco Inc. Below 100ft below the top of the Morrison FM: El Paso Production Co. Kathleen M. McLane Trust Michael S. McLane Trust Cindy Brady Dawn J. Turnbull Derrick J. Turnbull Denise J. Turnbull Williams John Lee Turner Mary F. Turner Trust J. Glenn Turner, Jr. Elizabeth Turner Calloway W. G. Peavey Oil Company University of Texas Law School Foundation Amoco Inc. Conoco Inc.
								83.333333% 8.333333% 4.166666% 4.16667% 83.333333% 8.333333% 4.16666% 4.16667% 50.000000% 2.77778% 2.77778% 2.77778% 2.77778% 2.77778% 2.77778% 3.333333% 3.333333% 3.333333% 3.333333% 8.33334% 4.16667% 4.16667% 3.33331%

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
21	Fed	T-28N, R-7W Section 10: Lots 1, 2, 3, 4, S½ S½ Section 12: Lots 1, 2, 3, 4, S½ S½ Section 14: E½ Section 15: E½ Section 22: N½ NW	1,304.48	SF-079289-5-1-48	USA 12.5%	Conoco Inc.	18.0%	Surface to Top of FC: Ammoco Production Co. Conoco Inc. Top FC to Base of FC: Section 10: Lots 1-4, S½ S½ Section 12: Lots 1-4, S½ S½ Section 22: N½ NW Ammoco Production Co. Conoco Inc. Section 14: E½ Section 15: E½ Ammoco Production Co. Conoco Inc. Base FC to Base DK: Conoco Inc. Below Base of DK: Ammoco Production Co. Conoco Inc.
22	Fed	Section 11: Lots 1, 2, 3, 4, S½ S½ Section 14: W½ Section 15: W½ Section 22: E½	1,252.80	SF-079289-A-5-1-48	USA 12.5%	El Paso Production Co.	0.0%	Surface to Base of MV: El Paso Production Co. D. J. Simmons Co. Ltd. Partnership Helen Louise Simmons June Simmons Lively Mary Jane Simmons Banks Carolee Simmons Smith Below Base of MV: Section 14: W½ Section 22: E½ El Paso Production Co. D. J. Simmons Co. Ltd. Partnership Helen Louise Simmons June Simmons Lively Mary Jane Simmons Banks Carolee Simmons Smith Section 11: Lots 1-4, S½ S½ Section 15: W½ Koch Exploration Texaco E. & P. Inc.

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
23	Fed	T-28N, R-7W	1,280.00	SF-079290-5-1-48	USA 12.5%	Conoco Inc.	18.0%	Surface to Top of FC: Amoco Production Co. Conoco Inc. 50.000000% 50.000000%
		Section 13: E½ Section 23: W½ Section 24: W½ Section 26: N½						Top FC to Base FC: Section 13: E½ Section 26: N½ Amoco Production Co. Conoco Inc. 50.000000% 50.000000%
24	Fed	Section 13: W½ Section 23: E½ Section 24: E½	960.00	SF-079290-A-5-1-48	USA 12.5%	El Paso Production Co.	MV Only 1.0%	Section 23: W½ Amoco Production Co. Conoco Inc. 75.000000% 25.000000%
								Base FC to Base DK: Conoco Inc. 100.000000% Below Base of DK: Amoco Production Co. 50.000000% Conoco Inc. 50.000000%
24A	Fed	T-28N, R-7W	320.00	SF-079290-B-5-1-48	USA 12.5%	El Paso Production Co.	Surface to Base MV 17.5%	Surface to Base of MV: El Paso Production Co. Conoco Inc. 60.000000% 40.000000%
		Section 25: N½						Surface to Base Point Lookout Member MV (Oil): Conoco Inc. 100.000000% Below Base Point Lookout Member MV: Section 25: NW Conoco Inc. 100.000000%
								Section 25: NE D. J. Simmons Co. Ltd. Partnership 75.000000% Helen Louise Simmons 6.250000% June Simmons Lively 6.250000% Mary Jane Simmons Banks 6.250000% Carolee Simmons Smith 6.250000%

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest	
25	Fed	Section 25: S½ Section 26: SE Section 36: Lots 1, 2, 3, 4, N½ SW, N½ SE, NW, NE (All)	1,136.88	SF-079294 7-1-48	USA 12.5%	El Paso Production Co.	Surface to Base MV Section 25 2.0% Sections 26 & 36 19.5% Below Base MV 2.0%	Surface to Base Point Lookout Member MV (Gas): El Paso Production Co. Conoco Inc. Surface to Base Point Lookout Member MV (Oil): Section 25: S½ El Paso Production Co. Conoco Inc. Section 26: SE Section 36: Lots 1-4, N½ SW, NW, N½ SE, NE Conoco Inc. Below Base Point Lookout Member MV: Conoco Inc.	60.000000% 40.000000% 60.000000% 40.000000% 100.000000% 100.000000% 100.000000%
26	Fed	T-27N, R-7W Section 12: All	640.00	SF-079298-B 7-1-48	USA 12.5%	Conoco Inc.	5.5%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base of FC: Section 12: W½ Amoco Production Co. Conoco Inc. Section 12: E½ Conoco Inc. Base FC to Base of DK: Conoco Inc. Below Base of DK: Amoco Production Co. Conoco Inc.	50.000000% 50.000000% 50.000000% 50.000000% 100.000000% 100.000000% 100.000000% 50.000000% 50.000000%
27	Fed	T-27N, R-7W Section 1: Lots 1, 2, 3, 4, S½ N½, S½ (All)	639.20	SF-079321-A 7-1-49	USA 12.5%	Conoco Inc.	5.5%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base of DK: Conoco Inc. Below Base of DK: Amoco Production Co. Conoco Inc.	50.000000% 50.000000% 100.000000% 50.000000% 50.000000%
28	State	Section 2: Lots 3, 4, SW, SW SE	278.96	E-290-28 5-2-45	State NM 12.5%	El Paso Production Co.	5.0%	Union Oil Company of California El Paso Production Co.	83.333333% 16.66667%
29	State	Section 2: Lot 2, SW NE, NW SE	119.54	E-290-3 5-2-45	State NM 12.5%	Wiser Oil Company	0.0%	Wiser Oil Company	100.000000%
30	State	Section 2: Lot 1, SE NE, NE SE	119.58	E-290-28 5-2-45	State NM 12.5%	El Paso Production Co.	0.0%	Union Oil Company of California El Paso Production Co.	83.333333% 16.66667%
31	State	Section 2: SE SE, S½ NW	120.00	E-290-33 5-2-45	State NM 12.5%	El Paso Production Co.	12.5%	El Paso Production Co.	100.000000%
32	State	Section 16: NW NW	40.00	E-4425-25 10-13-50	State NM 12.5%	El Paso Production Co.	4.0%	El Paso Production Co.	100.000000%

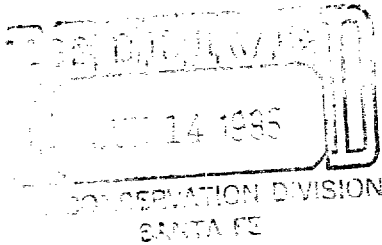
Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in All Lands in the San Juan 28-7 Unit - Effective March 1, 1995

Tract No.	Fed State Fee	Description	No. of Acres	Serial No. and Lease Date	Land Owner Royalty	Lessee of Record	ORRI %	Working Interest Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
33	State	Section 16: NE NW	40.00	E-4225-25 10-13-50	State NM 12.5%	El Paso Production Co.	5.0%	El Paso Production Co. 100.000000%
34	State	Section 16: SW NW	40.00	E-4425-46 10-13-50	State NM 12.5%	El Paso Production Co. 50% Conoco Inc. 50%	3.0%	Surface to Base Point Lookout Member MV (Gas) (Oil): El Paso Production Co. Conoco Inc. Below Base Point Lookout Member of MV: El Paso Production Co. (Gas) Conoco Inc. (Oil) 100.000000%
35	State	Section 16: SE NW, E 1/2, SW	520.00	E-2825-6 7-14-49	State NM 12.5%	El Paso Production Co. 50% Conoco Inc. 50%	5.0%	Surface to Base Point Lookout Member MV (Gas) (Oil): El Paso Production Co. Conoco Inc. Below Base Point Lookout Member of MV: Conoco Inc. (Oil) 60.000000% 40.000000% 100.000000%
36	Fee	T-28N, R-7W Section 28: W 1/2 NE, SE NE Section 30: Lot 4, E 1/2 SW	236.46		Fee 12.5%	El Paso Production Co.	0.0%	Surface to Base of MV: El Paso Production Co. Below Base of MV (Gas): El Paso Production Co. Below Base of MV (Oil): El Paso Production Co. Conoco Inc. 75.000000% 25.000000%
36A	Fee	Section 20: S 1/2 SE Section 21: S 1/2 SW, SW SE Section 30: SE NE, N 1/2 SE	320.00		Fee 12.5%	Conoco Inc.	0.0%	Surface to Top of FC: Amoco Production Co. Conoco Inc. Top FC to Base of FC: Section 20: S 1/2 SE Conoco Inc. Section 21: S 1/2 SW, SW SE Amoco Production Co. Conoco Inc. Section 30: SE NE, N 1/2 SE Amoco Production Co. Conoco Inc. Base FC to Base of DK: Conoco Inc. Below Base of DK: Amoco Production Co. Conoco Inc. 100.000000% 50.000000% 50.000000% 75.000000% 25.000000% 100.000000% 50.000000% 50.000000%

Note: Under Tracts 28 and 30, Meridian Oil Production Inc. claims the interest shown as owned by Union Oil Company of California.

SJ 28-7 Unit
3100 (015)

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770



JUN 12 1985

#4/H5

El Paso Natural Gas Company
Attention: Mr. Alan Alexander
P.O. Box 4289
Farmington, NM 87499-4289

Gentlemen:

Two approved copies of your 1985 Plan of Development for the San Juan 28-7 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing to drill the wells as outlined in your application dated May 8, 1985, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Ron Bartel at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) - Sid Vogelpohl

For District Manager

Enclosure(s)

cc:

MMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
File: San Juan 28-7 Unit POD
O&G Chron

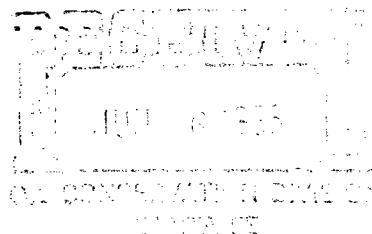
015:RBartel:tt:6/5/85:0767M

June 4, 1985

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
Eighth and Ninth EXPANDED
PARTICIPATING AREAS, Chacra
Formation, effective February 1,
1984, and March 1, 1984,
Respectively

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, adopted January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that two (2) wells capable to producing unitized substances in paying quantities from the Chacra Formation have been completed upon acreage committed to this Unit. The Participating Area for the Chacra Formation is expanded accordingly to include the following wells and acreage:

EIGHTH EXPANDED PARTICIPATING AREA - Effective 2/1/84

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
<u>T-27-N, R-7-W</u>		
Sec. 19:		
Lots 1-4, E/2 W/2 (W/2)	321.15	San Juan 28-7 #268

NINTH EXPANDED PARTICIPATING AREA - Effective 3/1/84

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
<u>T-27-N, R-7-W</u>		
Sec. 30:		
Lots 1-4, E/2 W/2 (W/2)	321.44	San Juan 28-7 #269

The lands described above are proven productive by the following:

The San Juan 28-7 #268 well was completed on January 18, 1984. The Chacra Formation was tested with an after frac guage of 752 MCFG/D. The spacing unit for this well is described as Lots 1, 2, 3, 4, E/2 W/2 (W/2) of Section 19, T27N, R7W, N.M.P.M., containing 321.15 acres.

The San Juan 28-7 #269 well was completed on February 14, 1984. The Chacra Formation was tested with an absolute open flow of 2719 MCFG/D. The spacing unit for this well is described as Lots 1, 2, 3, 4, E/2 W/2 (W/2) of Section 30, T27N, R7W, N.M.P.M., containing 321.44 acres.

Attached are Schedules IX and X showing the Eighth and Ninth Expanded Participating Areas for the Chacra Formation of the San Juan 28-7 Unit area. These describe the Participating Areas and show the percentages of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor; and in the absence of disapproval, these Eighth and Ninth Expanded Participating Areas will become effective as of February 1, 1984, and March 1, 1984, respectively.

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

Yours very truly,



Alan Alexander *DM*
District Land Manager

AA:DMP/tlm
Enclosures
San Juan 28-7 Unit, 4.4
Doc. #0351L

SAN JUAN 28-7 UNIT
CHACRA PARTICIPATING AREA OWNERS

Conoco, Inc.

Mesa Petroleum Company

R.B. Payne & R. R. Peavy,
Co-Executors of the Estate of
Waymon G. Peavy

Petro-Lewis Corporation

Southern Methodist University

Tenneco Oil Company

University of Texas Law School Foundation

SCHEDULE IX
EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
1 03521	<u>T-27-N, R-7-W</u> Sec. 20: W/2	320.00	<u>TRACT 1</u>			<u>4.653226%</u>
	Royalty;			12.500000%		
	Working Interest:					
	Tenneco Oil Co.			32.312500%	32.312500%	
	Continental Oil Co.			32.312500%	32.312500%	
	ORRI;			22.875000%	22.875000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
						<u>13.959676%</u>
1 03560	<u>T-27-N, R-7-W</u> Sec. 29: SW/4 Sec. 30: E/2	480.00	<u>TRACT 2</u>			
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	Tenneco Oil Co.;			31.562500%	31.562500%	
	Continental Oil Co.;			31.562500%	31.562500%	
	ORRI;			24.375000%	24.375000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
	<u>T-27-N, R-7-W</u> Sec. 29: N/2, SE/4	480.00				
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			63.125000%	63.125000%	
	ORRI;			24.375000%	24.375000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
	<u>T-28-N, R-7-W</u> Sec. 31: Lots 6,7,N/2 SE/4, NE/4 (E/2)	315.00	<u>TRACT 10</u>			<u>4.580519%</u>
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			84.500000%	84.500000%	
	ORRI;			3.000000%	3.000000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE IX
EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
078640	T-27-N, R-7-W	2400.00				
	Sec. 15: W/2		Royalty;	12.500000%	12.500000%	<u>34.899192%</u>
	Sec. 17: E/2		Working Interest:			
	Sec. 20: E/2		El Paso Natural Gas Co.;	82.500000%	82.500000%	
	Sec. 21: A11		ORRI;	5.000000%	5.000000%	
	Sec. 22: W/2		TOTAL	100.000000%	100.000000%	
	Sec. 27: NW/4					
	Sec. 28: N/2					
078835	T-27-N, R-7-W	640.20				
	Sec. 6: Lots 3,4,5,6,7, SE/4 NW/4, E/2 SW/4 (W/2)		Royalty;	12.500000%	12.500000%	<u>9.309360%</u>
	Sec. 7: E/2		Working Interest:			
			El Paso Natural Gas Co.;	84.000000%	84.000000%	
			ORRI;	3.500000%	3.500000%	
			TOTAL	100.000000%	100.000000%	
078835-A	T-27-N, R-7-W	320.60				
	Sec. 6: Lots 1,2,S/2 NE/4, SE/4 (E/2)		Royalty;	12.500000%	12.500000%	<u>4.661950%</u>
			Working Interest:			
			El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	100.000000%	100.000000%	
078840	T-27-N, R-7-W	320.00				
	Sec. 19: E/2		Royalty;	12.500000%	12.500000%	<u>13.976400%</u>
			Working Interest:			
			El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE IX
EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
078840	T-27-N, R-7-W Sec. 18: E/2 Sec. 19: Lots 1, 2, 3, 4, E/2 W/2	641.15	TRACT 18 (Continued)		
	Royalty;		12.500000%	12.500000%	
	Working Interest:				
	Tenneco Oil Co.;		33.500000%	33.500000%	
	Continental Oil Co.;		33.500000%	33.500000%	
	ORRI;		20.500000%	20.500000%	
	TOTAL		100.000000%	100.000000%	
					4.653226%
078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	TRACT 20		
	Royalty;		12.500000%	12.500000%	
	Working Interest:				
	El Paso Natural Gas Co.;		66.666666%	66.666666%	
	W. G. Peavy;		6.666667%	6.666667%	
	A. H. Arant;		6.666667%	6.666667%	
	ORRI;		7.500000%	7.500000%	
	TOTAL		100.000000%	100.000000%	
					5.81653%
-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	TRACT 32		
	Royalty;		12.500000%	12.500000%	
	Working Interest:				
	El Paso Natural Gas Co.;		83.500000%	83.500000%	
	ORRI;		4.000000%	4.000000%	
	TOTAL		100.000000%	100.000000%	

SCHEDULE IX
 EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
 SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	<u>TRACT 33</u>			<u>.5816538</u>
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			82.500000%	82.500000%	
	ORRI;			<u>5.000000%</u>	<u>5.000000%</u>	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 34</u>			<u>.5816538</u>
4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	<u>TRACT 34</u>			
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			50.700000%	50.700000%	
	Mesa Petroleum Co.; (1)			33.800000%	33.800000%	
	ORRI;			<u>3.000000%</u>	<u>3.000000%</u>	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 35</u>			<u>7.5614928</u>
2825-6	T-27-N, R-7-W Sec. 16: SW/4, SE/4 NW/4, E/2	520.00	<u>TRACT 35</u>			
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			49.500000%	49.500000%	
	Mesa Petroleum Co.; (1)			33.000000%	33.000000%	
	ORRI;			<u>5.000000%</u>	<u>5.000000%</u>	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	

Effective February 1, 1984

SCHEDULE IX
 EIGHTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
 SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>RECAPITULATION</u>						
<u>Township 27 North, Range 7 West, N.M.P.M.</u>						
	Section 27: NW/4					
	Sections 6, 16, 19, 20, 21, 29:					All
	Sections 7, 9, 17, 18, 30:					E/2
	Section 28: N/2					
	Sections 15, 22: W/2					
<u>Township 28 North, Range 7 West</u>						
	Section 31: E/2					
	Total number of acres in participating area:					6,876.95
	Total number of acres committed to participating area:					6,876.95
	Percent of basic royalty interest committed:					100.00%
	Percent of working interest committed:					100.00%
	Percent of overriding royalty interest committed:					100.00%
(1) During payout periods, Mesa's interests convert to a 12.5% ORRI.						

SCHEDULE X
NINTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
4 03521	T-27-N, R-7-W Sec. 20: W/2	320.00	TRACT 1			4.4454388
	Royalty;	12.500000%		12.500000%		
	Working Interest:					
	Tenneco Oil Co.	32.312500%		32.312500%		
	Continental Oil Co.	32.312500%		32.312500%		
	ORRI;	22.875000%		22.875000%		
	TOTAL	100.000000%		100.000000%		
						17.8017588
4 03560	T-27-N, R-7-W Sec. 29: SW/4	801.44	TRACT 2			
	Royalty;	12.500000%		12.500000%		
	Working Interest:					
	Tenneco Oil Co.;	31.562500%		31.562500%		
	Continental Oil Co.;	31.562500%		31.562500%		
	ORRI;	24.375000%		24.375000%		
	TOTAL	100.000000%		100.000000%		
						4.3759798
	T-27-N, R-7-W Sec. 29: N/2, SE/4	480.00	TRACT 10			
	Royalty;	12.500000%		12.500000%		
	Working Interest:					
	El Paso Natural Gas Co.;	63.125000%		63.125000%		
	ORRI;	24.375000%		24.375000%		
	TOTAL	100.000000%		100.000000%		
						4.3759798
3 078500-A	T-28-N, R-7-W Sec. 31: Lots 6,7,N/2 SE/4, NE/4 (E/2)	315.00	TRACT 10			
	Royalty;	12.500000%		12.500000%		
	Working Interest:					
	El Paso Natural Gas Co.;	84.500000%		84.500000%		
	ORRI;	3.000000%		3.000000%		
	TOTAL	100.000000%		100.000000%		

SCHEDULE X
NINTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
078640	T-27-N, R-7-W	2400.00		TRACT 15			33.340789
	Sec. 15: W/2		Royalty;		12.500000%	12.500000%	
	Sec. 17: E/2		Working Interest:				
	Sec. 20: E/2		El Paso Natural Gas Co.;		82.500000%	82.500000%	
	Sec. 21: A11		ORRI;		5.000000%	5.000000%	
	Sec. 22: W/2			TOTAL	100.000000%	100.000000%	
	Sec. 27: NW/4						
	Sec. 28: N/2						
078835	T-27-N, R-7-W	640.20		TRACT 16			8.893655
	Sec. 6: Lots 3,4,5,6,7, SE/4 NW/4, E/2 SW/4 (W/2)		Royalty;		12.500000%	12.500000%	
			Working Interest:				
			El Paso Natural Gas Co.;		84.000000%	84.000000%	
			ORRI;		3.500000%	3.500000%	
	Sec. 7: E/2			TOTAL	100.000000%	100.000000%	
078835-A	T-27-N, R-7-W	320.60		TRACT 17			4.453774
	Sec. 6: Lots 1,2,S/2 NE/4, SE/4 (E/2)		Royalty;		12.500000%	12.500000%	
			Working Interest:				
			El Paso Natural Gas Co.;		67.000000%	67.000000%	
			ORRI;		20.500000%	20.500000%	
				TOTAL	100.000000%	100.000000%	
078840	T-27-N, R-7-W	320.00		TRACT 18			13.352229
	Sec. 19: E/2		Royalty;		12.500000%	12.500000%	
			Working Interest:				
			El Paso Natural Gas Co.;		67.000000%	67.000000%	
			ORRI;		20.500000%	20.500000%	
					100.000000%	100.000000%	

SCHEDULE X
NINTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
F 078840	T-27-N, R-7-W Sec. 18: E/2 Sec. 19: Lots 1, 2, 3, 4, E/2 W/2	641.15		TRACT 18 (Continued)			
	Royalty;				12.500000%	12.500000%	
	Working Interest:						
	Tenneco Oil Co.;				33.500000%	33.500000%	
	Continental Oil Co.;				33.500000%	33.500000%	
	ORRI;				20.500000%	20.500000%	
	TOTAL				100.000000%	100.000000%	
				TRACT 20			4.445438%
F 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00					
	Royalty;				12.500000%	12.500000%	
	Working Interest:						
	El Paso Natural Gas Co.;				66.666666%	66.666666%	
	W. G. Peavy;				6.666667%	6.666667%	
	A. H. Arant;				6.666667%	6.666667%	
	ORRI;				7.500000%	7.500000%	
	TOTAL				100.000000%	100.000000%	
				TRACT 32			.555680%
-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00					
	Royalty;				12.500000%	12.500000%	
	Working Interest:						
	El Paso Natural Gas Co.;				83.500000%	83.500000%	
	ORRI;				4.000000%	4.000000%	
	TOTAL				100.000000%	100.000000%	

Effective March 1, 1984

SCHEDULE X
NINTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
-4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00		TRACT 33			.5556808
	Royalty;				12.5000008	12.5000008	
	Working Interest:						
	El Paso Natural Gas Co.;				82.5000008	82.5000008	
	ORRI;				5.0000008	5.0000008	
	TOTAL				100.0000008	100.0000008	
				TRACT 34			.5556808
-4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00					
	Royalty;				12.5000008	12.5000008	
	Working Interest:						
	El Paso Natural Gas Co.;				50.7000008	50.7000008	
	Mesa Petroleum Co.; (1)				33.8000008	33.8000008	
	ORRI;				3.0000008	3.0000008	
	TOTAL				100.0000008	100.0000008	
				TRACT 35			7.2238388
-2825-6	T-27-N, R-7-W Sec. 16: SW/4, SE/4 NW/4, E/2	520.00					
	Royalty;				12.5000008	12.5000008	
	Working Interest:						
	El Paso Natural Gas Co.;				49.5000008	49.5000008	
	Mesa Petroleum Co.; (1)				33.0000008	33.0000008	
	ORRI;				5.0000008	5.0000008	
	TOTAL				100.0000008	100.0000008	

Effective March 1, 1984

SCHEDULE X
NINTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

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

RECAPITULATION

Township 27 North, Range 7 West, N.M.P.M.

Section 27: NW/4
Sections 6, 16, 19, 20, 21, 29, 30: All
Sections 7, 9, 17, 18: E/2
Section 28: N/2
Sections 15, 22: W/2

Township 28 North, Range 7 West

Section 31: E/2

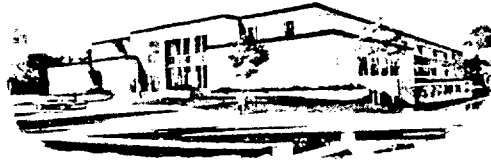
Total number of acres in participating area: 7,198.39
Total number of acres committed to participating area: 7,198.39
Percent of basic royalty interest committed: 100.00%
Percent of working interest committed: 100.00%
Percent of overriding royalty interest committed: 100.00%
(1) During payout periods, Mesa's interests convert to a 12.5% ORRI.

Effective March 1, 1984

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

May 16, 1985

El Paso Exploration Company
P. O. Box 4289
Farmington, New Mexico 87499-4289

#445
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Used
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Re: 1985 Drilling Program
San Juan 28-7 Unit
Rio Arriba County, New Mexico

ATTENTION: Mr. Alan Alexander

Gentlemen:

The Commissioner of Public Lands has this date approved your 1985 Drilling Program for the San Juan 28-7 unit area, Rio Arriba County, New Mexico. Such program proposes to drill the Well Nos. 136E, 158E, 187E, 252E and 191E to test the Dakota formation. Our approval is subject to like approval by the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/RDG/pm
encls.

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



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

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

May 13, 1985

#445

El Paso Exploration Company
P.O. Box 4289
Farmington, NM 87499-4289

Attention: Alan Alexander

Re: San Juan 28-7 Unit,
#14-03-001-459
Rio Arriba County, NM
1985 Drilling Program

Dear Mr. Alexander:

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

Sincerely,

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

ROY E. JOHNSON
Senior Petroleum Geologist

REJ/dp

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

El Paso
Exploration Company

P. O. BOX 4289
FARMINGTON, NEW MEXICO 87400-4289
PHONE 505 325 3841

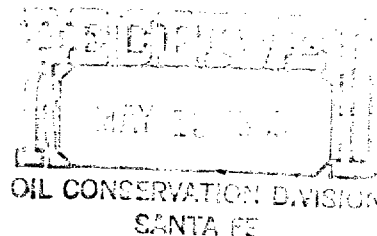
May 8, 1985

#445

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

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 28-7 Unit, #14-03-001-459
Rio Arriba County, New Mexico
1985 Drilling Program

Gentlemen:

By letter dated September 21, 1984, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a no well Drilling Program for calendar year 1984.

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs, Commercial	42
Mesaverde, Commercial	60
Pictured Cliffs/Mesaverde Dual Commercial	36
Pictured Cliffs/Chacra Dual Commercial	15
Mesaverde/Dakota Dual, Commercial	2
Dakota, Commercial	108
Chacra Commercial	11
Pictured Cliffs, Non-commercial	4
Mesaverde, Non-commercial	2
Plugged & Abandoned	1
Pictured Cliffs/Chacra Dual Well (Chacra, Non-commercial)	1
	282

May 8, 1985

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, submits the following wells to be drilled during 1985:

<u>WELL NO</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
#136E	S/2 Section 14, T28N, R7W	Dakota
#158E	E/2 Section 23, T28N, R7W	Dakota
#187E	E/2 Section 24, T28N, R7W	Dakota
#252E	W/2 Section 32, T28N, R7W	Dakota
#191E	E/2 Section 33, T28N, R7W	Dakota

El Paso Natural Gas Company, as Unit Operator, plans to drill any 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 the undersigned at the above address.

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

Yours very truly,



Alan Alexander
District Land Manager

AA:LD/tlm
Attachments
San Juan 28-7 Unit, 3.0

APPROVED: _____
Bureau of Land Management
(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
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

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

DATED: 5-13-85

The foregoing approvals for the 1985 Drilling Program for the
San Juan 28-7 Unit, #14-03-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Texaco Producing Inc.

Koch Industries, Inc.

Dixie M. McLane Grandchildren Trust
c/o B. J. Chenault, C.P.A.

Mesa Petroleum Company

R. B. Payne and R. R. Peavey
Co-Executors of the Estate of Waymon G. Peavy

Petro-Lewis Corporation

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil Exploration and Production

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr. & MBank Dallas N.A.
as Trustees under a Trust Agreement
created for the benefit of Mary Frances Turner, Jr. (3095)

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company



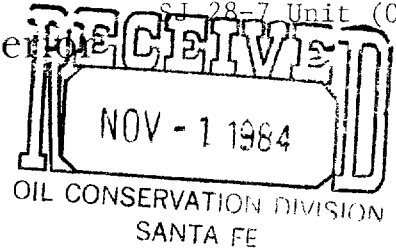
United States Department of the Interior

BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE

505 Marquette, N.W.
P.O. Box 6770
Albuquerque, New Mexico 87197-6770

IN REPLY REFER TO:

SJ 28-7 Unit (015)



OCT 30 1984

#445

El Paso Natural Gas Company
Attention: Alan Alexander
P.O. Box 4289
Farmington, New Mexico 87499

Gentlemen:

Two approved copies of your 1984 Plan of Development for the San Juan 28-7
Unit area, Rio Arriba County, New Mexico are enclosed. Such plan,
proposing no drilling was approved on this date subject to like approval by
the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) GARY A. STEPHENS

For District Manager

Enclosure

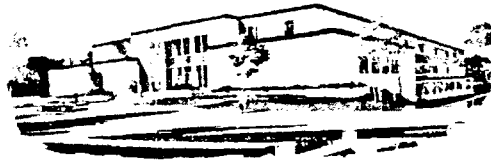
cc:

Comm. of Publ. Lands, Santa Fe
NMOCD, Santa Fe
Fluids Section, FRAH
File: SJ 28-7 Unit (POD)
O&G Chron
Micrographics 943B-4
015:RBartel:tt:10/26/84:0148M

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

November 16, 1984

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

El Paso Natural Gas Company
P. O. Box 4289
Farmington, New Mexico 87499

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1984 Drilling Program

ATTENTION: Mr. Alan Alexander

Gentlemen:

The Commissioner of Public Lands has this date approved your 1984 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. Such program provides for the drilling of no wells during the calendar year of 1984.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/RDG/pm
encls.
cc:

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



P. O. BOX 4289
FARMINGTON, NEW MEXICO 87499-4289
PHONE: 505-325-2841

Ext. 3104

September 21, 1984

#445

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1984 Drilling Program

Gentlemen:

By letter dated October 3, 1983, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1983, providing for the drilling of two (2) Chacra wells, four (4) Dakota wells and two (2) Pictured Cliffs wells.

As of this date the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs	42
Mesaverde	60
Dual Pictured Cliffs/Mesaverde	36
Dual Pictured Cliffs/Chacra	15
Dual Mesaverde/Dakota	2
Dakota	108
Chacra	11
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Plugged and Abandoned	1
Dual PC/CH (CH Non-Commercial)	1
	<u>282</u>

Regulatory Agencies
Page Two
September 21, 1984

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year 1984.

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


Alan Alexander
District Land Manager

AA:ld
enclosures
San Juan 28-7 Unit 3.0

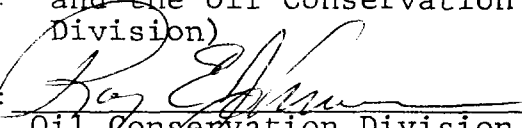
APPROVED: _____ DATE: _____

Area Oil & Gas Supervisor
Bureau of Land Management
(Subject to like approval by
the Commissioner of Public
Lands and the Oil Conserva-
tion Division)

APPROVED: _____ DATE: _____

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

APPROVED: _____ DATE: 9-27-84


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

The foregoing approvals are for the 1984 Drilling Program
for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba
County, New Mexico.

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane Trust
c/o B. J. Chenault, C.P.A.

Mesa Petroleum Co.
Amarillo, Texas

R. B. Payne and R. R. Peavy,
Co-Executors of the Estate of
Waymon G. Peavy

Petro-Lewis Corporation

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil Exploration and Production

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., & Mercantile
National Bank at Dallas as Trustees
under a Trust Agreement created for
the benefit of Mary Frances Turner, Jr. (3095)

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

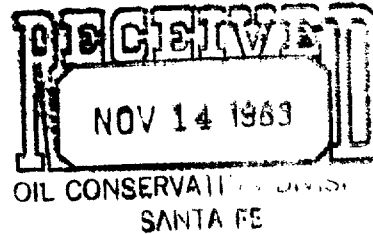
University of Texas Law School Foundation

The Wiser Oil Company

El Paso
Exploration Company

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

November 10, 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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

The 1983 Drilling Program for the San Juan 28-7 Unit was approved by the regulatory bodies on the dates indicated:

Bureau of Land Management	11-2-83
Commissioner of Public Lands	11-3-83
Oil Conservation Commission	10-24-83

Copies of this letter are being sent to the working interest owners of the above unit.

Very truly yours,

Van L. Goebel
Landman
Land Department

VLG:cc
San Juan 28-7 Unit, 3.0

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

R. B. Payne and R. R. Peavy,
Co-Executors of the Estate of
Waymon G. Peavy

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., & Mercantile
National Bank at Dallas as Trustees
under a Trust Agreement created for
the benefit of Mary Frances Turner, Jr. (3095)

John Lee Turner

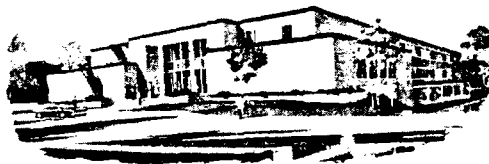
Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

State of New Mexico

#445



JIM BACA
COMMISSIONER

Commissioner of Public Lands

November 3, 1983

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

El Paso Exploration Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1983 Drilling Program

ATTENTION: Mr. James R. Permenter

Gentlemen:

The Commissioner of Public Lands has this date approved your 1983 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. Such plan proposes to drill three Chacra wells, four Dakota wells and two Pictured Cliffs Wells. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prado*
FLOYD O. PRADO, Assistant Director
Oil and Gas Division
AC 505/827-5744

JB/FOF/pm
encls.
cc:

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

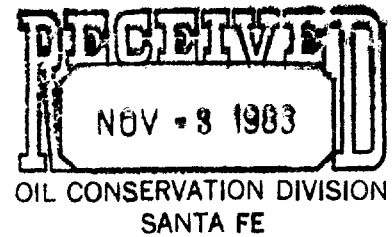


United States Department of the Interior

IN REPLY REFER TO
San Juan 28-7

BUREAU OF LAND MANAGEMENT

505 Marquette Avenue N.W., Suite 815
P. O. Box 6770
Albuquerque, New Mexico 87107



El Paso Exploration Company
Attention: Mr. James R. Permenter
P.O. Box 1492
El Paso, Texas 79973

02 NOV 1983

Dear Mr. Permenter:

Three approved copies of your 1983 plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico are enclosed. Such a plan, proposing two Chacra wells, four Dakota wells, and two Pictured Cliffs wells was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

James W. Shelton
For District Manager

Enclosure

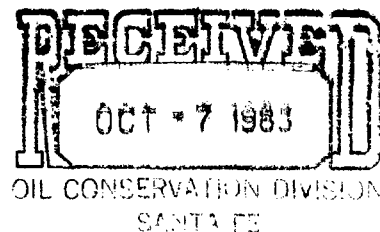
#445

El Paso
Exploration Company

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

October 3, 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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

By letter dated April 8, 1982, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1982, providing for the drilling of no wells.

As of this date the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs	40
Mesaverde	60
Dual PC/MV	36
Dual PC/Chacra	15
Dual MV/DK	2
Dakota	104
Chacra	9
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Plugged and Abandoned	1
Dual PC/Chacra (Chacra-	
Non-Commercial	1
	<u>276</u>

Letter to Regulatory Agencies
Page Two

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1983:

<u>Well NO.</u>	<u>Drilling Block</u>	<u>Formation</u>
#268	W/2 Sec. 19, T-27-N, R-7-W	Chacra
#269	W/2 Sec. 30, T-27-N, R-7-W	Chacra
#164E	E/2 Sec. 13, T-28-N, R-7-W	Dakota
#189E	N/2 Sec. 35, T-28-N, R-7-W	Dakota
#129E	E/2 Sec. 2, T-27-N, R-7-W	Dakota
#165E	E/2 Sec. 16, T-27-N, R-7-W	Dakota
#266	S/2 Sec. 9, T-28-N, R-7-W	Pictured Cliffs
#267	E/2 Sec. 15, T-28-N, R-7-W	Pictured Cliffs

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,


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

JRP:VIG:cc
Enclosures
SJ 28-7 Unit, 3.0

APPROVED:

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

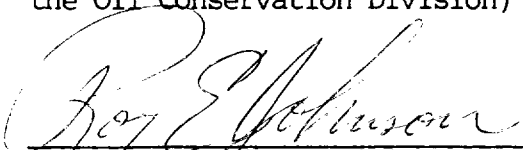
DATED: _____

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: 10-24-83

The foregoing approvals are for the 1983 Drilling Program for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

R. B. Payne and R. R. Peavy,
Co-Executors of the Estate of
Waymon G. Peavy

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., & Mercantile
National Bank at Dallas as Trustees
under a Trust Agreement created for
the benefit of Mary Frances Turner, Jr. (3095)

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

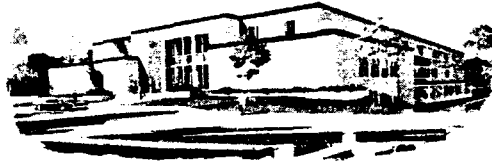
University of Texas Law School Foundation

The Wiser Oil Company

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

November 5, 1982

P. O. BOX 1148
SANTA FE, N. M. 87504-1148

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
THIRTIETH, THIRTY-FIRST AND
THIRTH-SECOND EXPANDED
PARTICIPATING AREAS
Pictured Cliffs Formation
Effective April 1, 1981, May 1, 1981
and June 1, 1981, respectively and
NOTICE OF COMPLETION OF ADDITIONAL WELL

ATTENTION: Mr. James R. Permenter

Gentlemen:

This will acknowledge receipt of your letter of October 15, 1982, together with three copies of the Thirtieth, Thirty-First and Thirty-Second Expanded Participating areas for the Pictured Cliffs formation along with your Notice of Completion of Additional Wells. The effective date for these Participating Areas are April 1, 1981, May 1, 1981 and June 1, 1981, respectively.

Inasmuch as this needs no official approval the Commissioner of Public Lands accepts these instruments for record purposes and has this date been filed in the unit file.

Enclosed is one copy reflecting the date this was received in our office.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
USMMS-Albuquerque, New Mexico
Administration



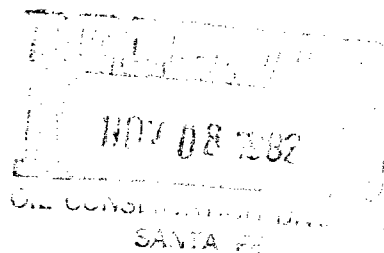
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

October 15, 1982

Minerals Management Service
South Central Region
505 Marquette Ave. 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 28-7 Unit
#14-08-001-459, Rio Arriba
County, New Mexico
THIRTIETH, THIRTY-FIRST AND
THIRTY-SECOND
EXPANDED PARTICIPATING AREAS
Pictured Cliffs Formation
Effective April 1, 1981, May 1, 1981
and June 1, 1981, respectively and
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that four (4) additional wells capable of producing unitized substances in paying quantities from the Pictured Cliffs formation have been completed upon acreage committed to this Unit. The Participating Area for the Pictured Cliffs formation is expanded accordingly to include these wells as follows:

The San Juan 28-7 Unit #61A Well, located 940' from the South line and 790' from the East line of Section 10, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 30, 1980, and completed on April 28, 1981, at a plugged back depth of 5927'. The Pictured Cliffs formation at the selected intervals between 3319' and 3365' was treated with a sand-water fracturing process on April 9, 1981. The well was shut-in on April 14, 1981 and after being shut-in for fifteen (15) days, the Pictured Cliffs formation was tested on April 28, 1981, using the choke nipple tube method with an after frac guage of

599 MCF/D, with an SIPC of 1037 psia and an SIPT of 1037 psia. The Mesaverde formation at the selected intervals between 5487' and 5898' was treated with a sand-water fracturing process on April 9, 1981. The well was shut-in on April 12, 1981, and after being shut-in for eight (8) days, the Mesaverde formation was tested on April 20, 1981, using the choke nipple tube method with an after frac guage of 7193 MCF/D, with an SIPC of 0 psia and an SIPT of 680 psia. The spacing unit for this well is described as the S/2 of Section 10, Township 28 North, Range 7 West, N.M.P.M., containing 296.08 acres.

The San Juan 28-7 Unit #20A Well, located 1680' from the South line and 1620' from the East line of Section 8, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 21, 1980, and completed on May 4, 1981, at a plugged back depth of 5,957'. The Pictured Cliffs Formation at the selected intervals between 3300' and 3341' was treated with a sand-water fracturing process of April 14, 1981. The well was shut-in on April 20, 1981, and after being shut-in for fourteen (14) days, the Pictured Cliffs Formation was tested on May 4, 1981, using the choke nipple tube method with an after frac guage of 1387 MCF/D, with an SIPC of 964 psia and an SIPT of 964 psia. The Mesaverde Formation at the selected intervals between 5524' and 3928' was treated with a sand-water fracturing process on April 14, 1981. The well was shut-in on April 20, 1981, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on April 27, 1981, using the choke nipple tube method with an after frac guage of 69,416 MCF/D, with an SIPC of 0 psia and an SIPT of 719 psia. The spacing unit for this well is described as the S/2 of Section 8, Township 28 North, Range 7 West, N.M.P.M., containing 304.04 acres.

The San Juan 28-7 Unit #74A Well, located 1600' from the South line and 870' from the East line of Section 11, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 9, 1980, and completed on May 7, 1981, at a plugged back depth of 5972'. The Pictured Cliffs Formation at the selected intervals between 3,338' and 3,456' was treated with a sand-water fracturing process on April 4, 1981. The well was shut-in on April 8, 1981, and after being shut-in for twenty-nine (29) days, the Pictured Cliffs Formation was tested on May 7, 1981, using the choke nipple method with an after frac guage of 1136 MCF/D, with an SIPC of 1006 psia and an SIPT of 1010 psia. The Mesaverde Formation at the selected intervals between 4985' and 5926' was treated with a sand-water fracturing process on March 29, 1981. The well was shut-in on April 23, 1981, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on April 30, 1981, using the choke nipple tube method with an after frac guage of 288 MCF/D, with an SIPC of 0 psia and an SIPT of 811 psia. The spacing unit for this well is described as the S/2 of Section 11, Township 28 North, Range 7 West, N.M.P.M., containing 292.80 acres.

The San Juan 28-7 Unit #33A Well, located 1520' from the South line and 1830' from the East line of Section 13, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 19, 1980, and completed on March 6, 1981, at a plugged back depth of 6098'. The Pictured Cliffs Formation at the selected intervals between 3434' and 3497' was treated with a sand-water fracturing process on February 9, 1981. The well was shut-in on February 14, 1981, and after being shut-in for twenty (20) days, the Pictured Cliffs Formation was tested on March 6, 1981, using the choke nipple tube method with an after frac guage of 1333 MCF/D, with an SIPC of 1011 psia and an SIPT of 1011 psia. The Mesaverde Formation at the selected intervals between 5063' and 6047' was treated with a sand-water fracturing process on February 9, 1981. The well was shut-in on February 14, 1981, and after being shut-in for eleven (11) days, the Mesaverde Formation was tested on February 25, 1981, using the choke nipple tube method with an after frac guage of 4610 MCF/D, with an SIPC of 0 psia and and SIPT of 825 psia. The spacing unit for this well is described as the E/2 of Section 13, Township 28 North, Range 7 West, N.M.P.M., containing 320.00 acres.

The drilling block for the #33A well is included in the San Juan 28-7 Unit Thirtieth Expanded Participating Area of the Pictured Cliffs formation, effective April 1, 1981. The drilling block for the #61A well is included in the San Juan 28-7 Unit Thirty-First Expanded Participating Area of the Pictured Cliffs formation, effective May 1, 1981. The drilling block for the #20A and #74A wells are included in the San Juan 28-7 Unit Thirty-Second Expanded Participating Area of the Pictured Cliffs formation, effective June 1, 1981.

The Mesaverde formation of the #33A, #20A, #74A and #61A wells has been completed on acreage already in the existing Mesaverde Participating Area. The completion of these wells does not warrant any further expansion of the Mesaverde Participating Area.

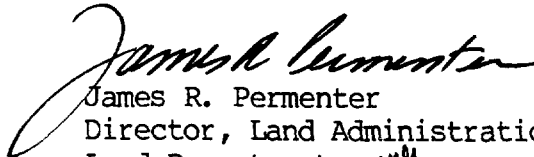
In addition to the above, the completion of the #61A well creates two (2) intervening drilling blocks described as the E/2 of Section 15, T-28-N, R-7-W, and the S/2 of Section 9, T-28-N, R-7-W, which pursuant to the terms of the Unit Agreement must also be admitted to the Participating Area.

Attached hereto are Schedules XXXI, XXXII and XXXIII showing the Thirtieth, Thirty-First and Thirty-Second Expanded Participating Areas for the Pictured Cliffs formation in the San Juan 28-7 Unit Area. These Schedules describe the Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentages allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, these Expanded Participating Areas will become effective as of April 1, 1981, May 1, 1981 and June 1, 1981 respectively.

Regulatory Agencies
October 15, 1982
Page Four

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

Very truly yours,


James R. Permenter
Director, Land Administration
Land Department JRP

JRP:VLG:cc
Attachments
SJ 28-7, 4.1, 4.2.1

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

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: _____

The foregoing approvals are for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico, Thirtieth, Thirty-First and Thirty-Second Expanded Participating Areas, Pictured Cliffs Formation, Effective April 1, 1981, May 1, 1981 and June 1, 1981.

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	TRACT 1					
	T-27-N, R-7-W	280.00	Royalty	12.500000%	12.500000%	1.518827%
	Sec. 20: SW/4, S/2 NW/4, NE/4 NW/4		Working Interest El Paso Natural Gas Co. ORRI	64.625000% 22.875000% 100.000000%	64.625000% 22.875000% 100.000000%	
	TOTAL					
	TRACT 2					
	T-27-N, R-7-W	1,281.44	Royalty	12.500000%	12.500000%	6.951021%
	Sec. 29: All Sec. 30: All		Working Interest El Paso Natural Gas Co. ORRI	63.125000% 24.375000% 100.000000%	63.125000% 24.375000% 100.000000%	
	TOTAL					
	TRACT 3					
	SF 078417	T-28-N, R-7-W	760.00	Royalty	12.500000%	12.500000%
Sec. 7: S/2 SE/4, SE/4 SW/4			Working Interest El Paso Natural Gas Co. ORRI	84.500000% 3.000000% 100.000000%	84.500000% 3.000000% 100.000000%	
Sec. 17: W/2 Sec. 18: E/2						
TOTAL						
TRACT 4						
T-28-N, R-7-W		320.00	Royalty	12.500000%	12.500000%	1.735802%
Sec. 18: E/2 NW/4 Sec. 22: S/2 NW/4, SW/4			Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000% 100.000000%	83.500000% 4.000000% 100.000000%	
TOTAL						
TRACT 5						
SF 078417-A		T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%
	Sec. 18: E/2 NW/4 Sec. 22: S/2 NW/4, SW/4		Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000% 100.000000%	83.500000% 4.000000% 100.000000%	
	TOTAL					
	TRACT 6					

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 5</u>							
SF 078496	T-27-N, R-7-W	1,362.24	Royalty		12.500000%	12.500000%	7.389311%
	Sec. 3: N/2		Working Interest				
	Sec. 5: Lots 1,2		El Paso Natural Gas Co.		84.500000%	84.500000%	
	S/2 NE/4		ORRI		3.000000%	3.000000%	
	T-28-N, R-7-W						
	Sec. 27: SE/4, E/2 NE/4						
	Sec. 34: Lots 3,4, N/2						
	SW/4, NW/4						
	Sec. 35: Lots 3,4, N/2						
	SW/4, NW/4						
	TOTAL				<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 6</u>							
SF 078496-A	T-27-N, R-7-W	641.83	Royalty		12.500000%	12.500000%	3.481532%
	Sec. 4: N/2		Working Interest				
	T-28-N, R-7-W		El Paso Natural Gas Co.		83.500000%	83.500000%	
	Sec. 34: Lots 1,2		ORRI		4.000000%	4.000000%	
	N/2 SE/4, NE/4						
	TOTAL				<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 7</u>							
SF 078497	T-28-N, R-7-W	695.52	Royalty		12.500000%	12.500000%	3.772766%
	Sec. 7: Lots 1,2,3,4,5		Working Interest				
	Sec. 19: E/2, Lot 1,		El Paso Natural Gas Co.		84.500000%	84.500000%	
	E/2 W/2		ORRI		3.000000%	3.000000%	
	TOTAL				<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 8</u>							
SF 078497-A	T-28-N, R-7-W	224.76	Royalty		12.500000%	12.500000%	1.219184%
	Sec. 18: Lots 1,2,		Working Interest				
	3,4, E/2 SW/4		El Paso Natural Gas Co.		83.500000%	83.500000%	
			ORRI		4.000000%	4.000000%	
	TOTAL				<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078498	TRACT 9					
	T-28-N, R-7-W	716.32	Royalty	12.500000%	12.500000%	3.885593%
	Sec. 27: W/2 NE/4, W/2		Working Interest			
	Sec. 33: Lots 1,2, N/2 SE/4, NE/4		El Paso Natural Gas Co.	84.500000%	84.500000%	
			ORRI	3.000000%	3.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 9-A					
	T-28-N, R-7-W	200.00	Royalty	12.500000%	12.500000%	1.084876%
	Sec. 28: SE/4, NE/4 NE/4		Working Interest			
			El Paso Natural Gas Co.	84.500000%	84.500000%	
SF 078500-A			ORRI	3.000000%	3.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 10					
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	3.066729%
	Sec. 19: Lots 2,3,4		Working Interest			
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co.	84.500000%	84.500000%	
			ORRI	3.000000%	3.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 10-A					
	T-28-N, R-7-W	189.30	Royalty	12.500000%	12.500000%	1.026836%
SF 078500	Sec. 30: Lots 1,2,3, E/2 NW/4		Working Interest			
			El Paso Natural Gas Co.	83.500000%	83.500000%	
			ORRI	4.000000%	4.000000%	
	TOTAL			100.000000%	100.000000%	

Effective April 1, 1981

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078565	T-27-N, R-7-W Sec. 5: SE/4 Sec. 8: NW/4	320.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 11	12.500000%	1.735802%
SF 078565-A	T-27-N, R-7-W Sec. 5: Lots 3,4, S/2 NW/4, SW/4	320.52	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 12	12.500000%	1.738623%
SF 078569	T-27-N, R-7-W Sec. 8: SW/4, NE/4	320.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 13	12.500000%	1.735802%
SF 078570	T-27-N, R-7-W Sec. 4: S/2 Sec. 8: SE/4 Sec. 9: NW/4	640.00	Royalty Working Interest Tenneco Oil Company ORRI	TRACT 14	12.500000%	3.471604%

Effective April 1, 1981

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078640						
	<u>T-27-N, R-7-W</u>	800.00	Royalty			
	Sec. 9: SW/4		Working Interest	12.500000%	12.500000%	4.339506%
	Sec. 15: W/2		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 17: E/2		ORRI	5.000000%	5.000000%	
	<u>TOTAL</u>			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 15</u>			
SF 078640						
	<u>T-27-N, R-7-W</u>	1,760.00	Royalty			
	Sec. 20: E/2		Working Interest	12.500000%	12.500000%	9.546912%
	Sec. 21: A11		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 22: W/2		ORRI	5.000000%	5.000000%	
	Sec. 27: NW/4			<u>100.000000%</u>	<u>100.000000%</u>	
	Sec. 28: N/2		<u>TOTAL</u>			
			<u>TRACT 15-A</u>			
SF 078835						
	<u>T-27-N, R-7-W</u>	640.20	Royalty			
	Sec. 6: Lots 3,4,5,6, 7, SE/4 NW/4, E/2 SW/4		Working Interest	12.500000%	12.500000%	3.472689%
	Sec. 7: E/2		El Paso Natural Gas Co.	84.000000%	84.000000%	
			ORRI	3.500000%	3.500000%	
	<u>TOTAL</u>			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 16</u>			
SF 078835-A						
	<u>T-27-N, R-7-W</u>	640.86	Royalty			
	Sec. 6: Lots 1,2, S/2 NE/4, SE/4		Working Interest	12.500000%	12.500000%	3.476269%
	Sec. 7: Lots 1,2,3, 4, E/2 W/2		El Paso Natural Gas Co.	67.000000%	67.000000%	
			ORRI	20.500000%	20.500000%	
	<u>TOTAL</u>			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 17</u>			

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078840	T-27-N, R-7-W	320.36	Royalty	12.500000%	12.500000%	1.737755%
	Sec. 18: Lots 1,2,3,4, E/2 W/2		Working Interest	67.000000%	67.000000%	
			El Paso Natural Gas Co.	20.500000%	20.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL			
			TRACT 18			
SF 078840	T-27-N, R-7-W	641.15	Royalty	12.500000%	12.500000%	3.477842%
	Sec. 19: Lots 1,2,3,4, E/2 W/2, E/2 (All)		Working Interest	67.000000%	67.000000%	
			El Paso Natural Gas Co.	20.500000%	20.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL			
			TRACT 19			
SF 078972	T-27-N, R-7-W	1,600.00	Royalty	12.500000%	12.500000%	8.679011%
	Sec. 3: S/2		Working Interest	70.000000%	70.000000%	
	Sec. 10: All		El Paso Natural Gas Co.	17.500000%	17.500000%	
	Sec. 11: All		ORRI	100.000000%	100.000000%	
			TOTAL			
			TRACT 20			
SF 078972-A	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.735802%
	Sec. 9: E/2		Working Interest	66.667000%	66.667000%	
			El Paso Natural Gas Co.	6.666000%	6.666000%	
			Waymon G. Peavy			
			Margaret Hotchkiss, Ancillary			
			Admin. of the Est. of A.			
			Harvey Arant, Dec'd. &			
			Ancillary Guardian of			
			Lylla Arant			
			ORRI			
		TOTAL				

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 079289	T-28-N, R-7-W	80.00	Royalty	12.500000%	12.500000%	0.433951%	
	Sec. 22: N/2 NW/4		Working Interest				
			El Paso Natural Gas Co.	69.000000%	69.000000%		
			ORRI	18.500000%	18.500000%		
	TOTAL		100.000000%	100.000000%			
	TRACT 21						
SF 079289-A	T-28-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.471604%	
	Sec. 15: W/2		Working Interest				
			El Paso Natural Gas Co.	52.500000%	52.500000%		
			Thelma Ford Simmons, Indiv. and as Independent Executrix of the Est. of D. J. Simmons	35.000000%	35.000000%		
	TOTAL		100.000000%	100.000000%			
	TRACT 22						
SF 079290	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.735802%	
	Sec. 13: E/2		Working Interest				
			El Paso Natural Gas Co.	69.000000%	59.000000%		
			ORRI	18.500000%	18.500000%		
	TOTAL		100.000000%	100.000000%			
	TRACT 23						
SF 079298-B	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.471604%	
	Sec. 12: All		Working Interest				
			El Paso Natural Gas Co.	81.500000%	81.500000%		
			ORRI	6.000000%	6.000000%		
	TOTAL		100.000000%	100.000000%			
	TRACT 26						

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SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 290-28	<u>T-27-N, R-7-W</u>	238.96	Royalty	12.500000%	12.500000%	1.296210%
	<u>Sec. 2: Lots 3,4, SW/4</u>		Working Interest			
			El Paso Natural Gas Co.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
	<u>TOTAL</u>			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 28</u>			
E 290-33	<u>T-27-N, R-7-W</u>	80.00	Royalty	12.500000%	12.500000%	0.433951%
	<u>Sec. 2: S/2 NW/4</u>		Working Interest			
			El Paso Natural Gas Co.	75.000000%	75.000000%	
			ORRI	12.500000%	12.500000%	
	<u>TOTAL</u>			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 31</u>			
E 4425-25	<u>T-27-N, R-7-W</u>	40.00	Royalty	12.500000%	12.500000%	0.216975%
	<u>Sec. 16: NW/4 NW/4</u>		Working Interest			
			El Paso Natural Gas Co.	83.500000%	83.500000%	
			ORRI	4.000000%	4.000000%	
	<u>TOTAL</u>			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 32</u>			
E 4425-48	<u>T-27-N, R-7-W</u>	40.00	Royalty	12.500000%	12.500000%	0.216975%
	<u>Sec. 16: NE/4 NW/4</u>		Working Interest			
			El Paso Natural Gas Co.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
	<u>TOTAL</u>			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 33</u>			

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SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-46	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.216975%
	Sec. 16: SW/4 NW/4		Working Interest			
	*During periods of		El Paso Natural Gas Co.	50.700000%	50.700000%	
	payout, Mesa's		*Mesa Petroleum Co.	33.800000%*	33.800000%*	
	Working Interest		ORRI	3.000000%	3.000000%	
	converts to a					
	12.5% ORRI			100.000000%	100.000000%	
			TOTAL			
				100.000000%		
			TRACT 34			
E 2825-6	T-27-N, R-7-W	520.00	Royalty	12.500000%	12.500000%	2.820679%
	Sec. 16: SE/4 NW/4,		Working Interest			
	SW/4, E/2		El Paso Natural Gas Co.	49.500000%	49.500000%	
	*During periods of		*Mesa Petroleum Co.	33.000000%*	33.000000%*	
	payout, Mesa's		ORRI	5.000000%	5.000000%	
	Working Interest					
	converts to a					
	12.5% ORRI			100.000000%	100.000000%	
			TOTAL			
				100.000000%		
Fee	T-28-N, R-7-W	236.46	Royalty	12.500000%	12.500000%	1.282649%
	Sec. 28: W/2 NE/4,		Working Interest			
	SE/4 NE/4		El Paso Natural Gas Co.	87.500000%	87.500000%	
	Sec. 30: Lot 4, E/2		ORRI	0.000000%	0.000000%	
	SW/4					
			TOTAL			
				100.000000%	100.000000%	
			TRACT 36			

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SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 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 28 North, Range 7 West, N.M.P.M.
Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
Sections 15, 17, 35: W/2
Sections 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
Sections 13, 28, 33: E/2
Sections 22, 27, 34: A11
Section 30: Lots 1,2,3,4, E/2 W/2
Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4, NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
Sections 17, 20: E/2
Sections 2, 15, 18, 22: W/2
Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: A11
Section 20: SW/4, S/2 NW/4, N/2 NW/4
Section 27: NW/4
Section 28: N/2

Total Number of Acres in Participating Area:	18,435.28
Total Number of Acres Committed to Participating Area:	18,435.28
Percent of Basic Royalty Committed:	100.000000%
Percent of Working Interest Committed:	100.000000%
Percent of ORRI Committed:	100.000000%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	<u>TRACT 1</u>					
	T-27-N, R-7-W	280.00	Royalty	12.500000%	12.500000%	1.469711%
	Sec. 20: SW/4, S/2		Working Interest			
	NW/4, NE/4 NW/4		El Paso Natural Gas Co.	64.625000%	64.625000%	
			ORRI	22.875000%	22.875000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 2</u>					
	T-27-N, R-7-W	1,281.44	Royalty	12.500000%	12.500000%	6.726238%
	Sec. 29: All		Working Interest			
	Sec. 30: All		El Paso Natural Gas Co.	63.125000%	63.125000%	
		ORRI	24.375000%	24.375000%		
TOTAL			100.000000%	100.000000%		
<u>TRACT 3</u>						
SF 078417	T-28-N, R-7-W	760.00	Royalty	12.500000%	12.500000%	3.989217%
	Sec. 7: S/2 SE/4,		Working Interest			
	SE/4 SW/4		El Paso Natural Gas Co.	84.500000%	84.500000%	
	Sec. 17: W/2		ORRI	3.000000%	3.000000%	
	Sec. 18: E/2			100.000000%	100.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 4</u>					
	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.679670%
	Sec. 18: E/2 NW/4		Working Interest			
	Sec. 22: S/2 NW/4,		El Paso Natural Gas Co.	83.500000%	83.500000%	
SW/4		ORRI	4.000000%	4.000000%		
TOTAL			100.000000%	100.000000%		
<u>TRACT 5</u>						
SF 078417-A	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.679670%
	Sec. 18: E/2 NW/4		Working Interest			
	Sec. 22: S/2 NW/4,		El Paso Natural Gas Co.	83.500000%	83.500000%	
	SW/4		ORRI	4.000000%	4.000000%	
	TOTAL			100.000000%	100.000000%	

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

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

SF 078496

<u>TRACT 5</u>						
T-27-N, R-7-W	1,362.24	Royalty		12.500000%	12.500000%	7.150355%
Sec. 3: N/2		Working Interest				
Sec. 5: Lots 1,2		El Paso Natural Gas Co.		84.500000%	84.500000%	
S/2 NE/4		ORRI		3.000000%	3.000000%	
T-28-N, R-7-W						
Sec. 27: SE/4, E/2 NE/4						
Sec. 34: Lots 3,4, N/2						
SW/4, NW/4						
Sec. 35: Lots 3,4, N/2						
SW/4, NW/4						
TOTAL				<u>100.000000%</u>	<u>100.000000%</u>	

SF 078496-A

<u>TRACT 6</u>						
T-27-N, R-7-W	641.83	Royalty		12.500000%	12.500000%	3.368946%
Sec. 4: N/2		Working Interest				
T-28-N, R-7-W		El Paso Natural Gas Co.		83.500000%	83.500000%	
Sec. 34: Lots 1,2		ORRI		4.000000%	4.000000%	
N/2 SE/4, NE/4				<u>100.000000%</u>	<u>100.000000%</u>	
TOTAL						

SF 078497

<u>TRACT 7</u>						
T-28-N, R-7-W	695.52	Royalty		12.500000%	12.500000%	3.650763%
Sec. 7: Lots 1,2,3,4,5		Working Interest				
Sec. 19: E/2, Lot 1,		El Paso Natural Gas Co.		84.500000%	84.500000%	
E/2 W/2		ORRI		3.000000%	3.000000%	
TOTAL				<u>100.000000%</u>	<u>100.000000%</u>	

SF 078497-A

<u>TRACT 8</u>						
T-28-N, R-7-W	224.76	Royalty		12.500000%	12.500000%	1.179758%
Sec. 18: Lots 1,2,		Working Interest				
3,4, E/2 SW/4		El Paso Natural Gas Co.		83.500000%	83.500000%	
		ORRI		4.000000%	4.000000%	
TOTAL				<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078498	<u>TRACT 9</u>					
	T-28-N, R-7-W	716.32	Royalty	12.500000%	12.500000%	3.759942%
	Sec. 27: W/2 NE/4, W/2		Working Interest			
	Sec. 33: Lots 1,2, N/2 SE/4, NE/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 9-A</u>					
	T-28-N, R-7-W	200.00	Royalty	12.500000%	12.500000%	1.049794%
	Sec. 28: SE/4, NE/4 NE/4		Working Interest El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 10</u>					
SF 078500-A	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	2.967557%
	Sec. 19: Lots 2,3,4		Working Interest			
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 10-A</u>					
	T-28-N, R-7-W	189.30	Royalty	12.500000%	12.500000%	0.993630%
	Sec. 30: Lots 1,2,3, E/2 NW/4		Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000%	83.500000% 4.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 10-A</u>					
	TOTAL			100.000000%	100.000000%	
SF 078500	<u>TRACT 10-A</u>					
	T-28-N, R-7-W	189.30	Royalty	12.500000%	12.500000%	0.993630%
	Sec. 30: Lots 1,2,3, E/2 NW/4		Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000%	83.500000% 4.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 10-A</u>					
	TOTAL			100.000000%	100.000000%	

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078565	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.679670%
	Sec. 5: SE/4		Working Interest	69.000000%	69.000000%	
	Sec. 8: NW/4		El Paso Natural Gas Co.	18.500000%	18.500000%	
			ORRI	100.000000%	100.000000%	
	TOTAL			100.000000%		
			TRACT 11			
SF 078565-A	T-27-N, R-7-W	320.52	Royalty	12.500000%	12.500000%	1.682400%
	Sec. 5: Lots 3,4, S/2 NW/4, SW/4		Working Interest	86.500000%	86.500000%	
			El Paso Natural Gas Co.	1.000000%	1.000000%	
			ORRI	100.000000%	100.000000%	
	TOTAL			100.000000%		
			TRACT 12			
SF 078569	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.679670%
	Sec. 8: SW/4, NE/4		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	100.000000%	100.000000%	
	TOTAL			100.000000%		
			TRACT 13			
SF 078570	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.359340%
	Sec. 4: S/2		Working Interest	80.500000%	80.500000%	
	Sec. 8: SE/4		Tenneco Oil Company	7.000000%	7.000000%	
	Sec. 9: NW/4		ORRI	100.000000%	100.000000%	
	TOTAL			100.000000%		
			TRACT 14			

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078640						
	<u>T-27-N, R-7-W</u>	800.00	Royalty	12.500000%	12.500000%	4.199175%
	Sec. 9: SW/4		Working Interest			
	Sec. 15: W/2		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 17: E/2		ORRI	5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 15</u>					
SF 078640						
	<u>T-27-N, R-7-W</u>	1,760.00	Royalty	12.500000%	12.500000%	9.238186%
	Sec. 20: E/2		Working Interest			
	Sec. 21: A11		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 22: W/2		ORRI	5.000000%	5.000000%	
	Sec. 27: NW/4		TOTAL	100.000000%	100.000000%	
	Sec. 28: N/2					
	<u>TRACT 15-A</u>					
SF 078835						
	<u>T-27-N, R-7-W</u>	640.20	Royalty	12.500000%	12.500000%	3.360390%
	Sec. 6: Lots 3,4,5,6,		Working Interest			
	7, SE/4 NW/4, E/2 SW/4		El Paso Natural Gas Co.	84.000000%	84.000000%	
	Sec. 7: E/2		ORRI	3.500000%	3.500000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 16</u>					
SF 078835-A						
	<u>T-27-N, R-7-W</u>	640.86	Royalty	12.500000%	12.500000%	3.363854%
	Sec. 6: Lots 1,2,		Working Interest			
	S/2 NE/4, SE/4		El Paso Natural Gas Co.	67.000000%	67.000000%	
	Sec. 7: Lots 1,2,3,		ORRI	20.500000%	20.500000%	
	4, E/2 W/2		TOTAL	100.000000%	100.000000%	
	<u>TRACT 17</u>					

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SF 078840

TRACT 18-A

TRACT 19

TRACT 20

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE PARTICIPATION
<u>TRACT 21</u>					
SF 079289	T-28-N, R-7-W Sec. 10: Lots 1, 2, 3, 4 S/2 S/2 (All) Sec. 15: E/2 Sec. 22: N/2 NW/4	696.08	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%
			TOTAL	100.000000%	100.000000%
<u>TRACT 22</u>					
SF 079289-A	T-28-N, R-7-W Sec. 15: W/2 Sec. 22: E/2	640.00	Royalty Working Interest El Paso Natural Gas Co. Thelma Ford Simmons, Indiv. and as Independent Executrix of the Est. of D. J. Simmons	12.500000%	12.500000%
			TOTAL	100.000000%	100.000000%
<u>TRACT 23</u>					
SF 079290	T-28-N, R-7-W Sec. 13: E/2	320.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%
			TOTAL	100.000000%	100.000000%
<u>TRACT 26</u>					
SF 079298-B	T-27-N, R-7-W Sec. 12: All	640.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%
			TOTAL	100.000000%	100.000000%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 290-28			<u>TRACT 28</u>			
	<u>T-27-N, R-7-W</u>	<u>238.96</u>	Royalty	12.500000%	12.500000%	1.254294%
	<u>Sec. 2: Lots 3,4, SW/4</u>		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	
E 290-33			<u>TRACT 31</u>			
	<u>T-27-N, R-7-W</u>	<u>80.00</u>	Royalty	12.500000%	12.500000%	0.419918%
	<u>Sec. 2: S/2 NW/4</u>		Working Interest	75.000000%	75.000000%	
			El Paso Natural Gas Co.	12.500000%	12.500000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	
E 4425-25			<u>TRACT 32</u>			
	<u>T-27-N, R-7-W</u>	<u>40.00</u>	Royalty	12.500000%	12.500000%	0.209959%
	<u>Sec. 16: NW/4 NW/4</u>		Working Interest	83.500000%	83.500000%	
			El Paso Natural Gas Co.	4.000000%	4.000000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	
E 4425-48			<u>TRACT 33</u>			
	<u>T-27-N, R-7-W</u>	<u>40.00</u>	Royalty	12.500000%	12.500000%	0.209959%
	<u>Sec. 16: NE/4 NW/4</u>		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-46	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.209959%
	Sec. 16: SW/4 NW/4		Working Interest			
	*During periods of		El Paso Natural Gas Co.	50.700000%	50.700000%	
	payout, Mesa's		*Mesa Petroleum Co.	33.800000%*	33.800000%*	
	Working Interest		ORRI	3.000000%	3.000000%	
	converts to a					
	12.5% ORRI					
	TOTAL			100.000000%	100.000000%	
			TRACT 34			
E 2825-6	T-27-N, R-7-W	520.00	Royalty	12.500000%	12.500000%	2.729464%
	Sec. 16: SE/4 NW/4,		Working Interest			
	SW/4, E/2		El Paso Natural Gas Co.	49.500000%	49.500000%	
	*During periods of		*Mesa Petroleum Co.	33.000000%*	33.000000%*	
	payout, Mesa's		ORRI	5.000000%	5.000000%	
	Working Interest					
	converts to a					
	12.5% ORRI					
	TOTAL			100.000000%	100.000000%	
			TRACT 35			
Fee	T-28-N, R-7-W	236.46	Royalty	12.500000%	12.500000%	1.241171%
	Sec. 28: W/2 NE/4,		Working Interest			
	SE/4 NE/4		El Paso Natural Gas Co.	87.500000%	87.500000%	
	Sec. 30: Lot 4, E/2		ORRI	0.000000%	0.000000%	
	SW/4					
	TOTAL			100.000000%	100.000000%	
			TRACT 36			

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 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 28 North, Range 7 West, N.M.P.M.
Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
Section 10: Lots 1,2,3,4, S/2 S/2 (A11)
Sections 15, 17, 35: W/2
Sections 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
Sections 13, 15, 28, 33: E/2
Sections 22, 27, 34: A11
Section 30: Lots 1,2,3,4, E/2 W/2
Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4,
NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
Sections 17, 20: E/2
Sections 2, 15, 18, 22: W/2
Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: A11
Section 20: SW/4, S/2 NW/4, N/2 NW/4
Section 27: NW/4
Section 28: N/2

Total Number of Acres in Participating Area:	19,051.36
Total Number of Acres Committed to Participating Area:	19,051.36
Percent of Basic Royalty Committed:	100.000000%
Percent of Working Interest Committed:	100.000000%
Percent of ORRI Committed:	100.000000%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 03521							
	T-27-N, R-7-W	280.00	Royalty		12.500000%	12.500000%	1.403661%
	Sec. 20: SW/4, S/2		Working Interest		64.625000%	64.625000%	
	NW/4, NE/4 NW/4		El Paso Natural Gas Co.		22.875000%	22.875000%	
			ORRI		100.000000%	100.000000%	
			TOTAL				
				TRACT 1			
NM 03560							
	T-27-N, R-7-W	1,281.44	Royalty		12.500000%	12.500000%	6.423954%
	Sec. 29: All		Working Interest		63.125000%	63.125000%	
	Sec. 30: All		El Paso Natural Gas Co.		24.375000%	24.375000%	
			ORRI		100.000000%	100.000000%	
			TOTAL				
				TRACT 2			
SF 078417							
	T-28-N, R-7-W	840.00	Royalty		12.500000%	12.500000%	4.210982%
	Sec. 7: S/2 SE/4,		Working Interest		84.500000%	84.500000%	
	SE/4 SW/4		El Paso Natural Gas Co.		3.000000%	3.000000%	
	Sec. 8: S/2 SW/4		ORRI		100.000000%	100.000000%	
	Sec. 17: W/2		TOTAL				
	Sec. 18: E/2						
SF 078417-A							
	T-28-N, R-7-W	320.00	Royalty		12.500000%	12.500000%	1.604184%
	Sec. 18: E/2 NW/4		Working Interest		83.500000%	83.500000%	
	Sec. 22: S/2 NW/4,		El Paso Natural Gas Co.		4.000000%	4.000000%	
	SW/4		ORRI		100.000000%	100.000000%	
			TOTAL				
				TRACT 4			

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 5						
SF 078496	T-27-N, R-7-W	1,362.24	Royalty	12.500000%	12.500000%	6.829010%
	Sec. 3: N/2		Working Interest			
	Sec. 5: Lots 1,2		El Paso Natural Gas Co.	84.500000%	84.500000%	
	S/2 NE/4		ORRI	3.000000%	3.000000%	
	T-28-N, R-7-W					
	Sec. 27: SE/4, E/2 NE/4					
	Sec. 34: Lots 3,4, N/2					
	SW/4, NW/4					
	Sec. 35: Lots 3,4, N/2					
	SW/4, NW/4		TOTAL	100.000000%	100.000000%	
TRACT 6						
SF 078496-A	T-27-N, R-7-W	641.83	Royalty	12.500000%	12.500000%	3.217541%
	Sec. 4: N/2		Working Interest			
	T-28-N, R-7-W		El Paso Natural Gas Co.	83.500000%	83.500000%	
	Sec. 34: Lots 1,2		ORRI	4.000000%	4.000000%	
	N/2 SE/4, NE/4		TOTAL	100.000000%	100.000000%	
TRACT 7						
SF 078497	T-28-N, R-7-W	919.56	Royalty	12.500000%	12.500000%	4.609822%
	Sec. 7: Lots 1,2,3,4,5		Working Interest			
	Sec. 8: Lots 1,2,3,4,					
	S/2 SE/4					
	Sec. 19: E/2, Lot 1,		El Paso Natural Gas Co.	84.500000%	84.500000%	
	E/2 W/2		ORRI	3.000000%	3.000000%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 8						
SF 078497-A	T-28-N, R-7-W Sec. 9: Lots 1,2,3,4, S/2 S/2 (All) Sec. 18: Lots 1,2, 3,4, E/2 SW/4	524.40	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	2.628856%
			TOTAL	83.500000% 4.000000% 100.000000%	83.500000% 4.000000% 100.000000%	
TRACT 9						
SF 078498	T-28-N, R-7-W Sec. 27: W/2 NE/4, W/2 Sec. 33: Lots 1,2, N/2 SE/4, NE/4	716.32	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	3.590965%
			TOTAL	84.500000% 3.000000% 100.000000%	84.500000% 3.000000% 100.000000%	
TRACT 9-A						
SF 078498-A	T-28-N, R-7-W Sec. 28: SE/4, NE/4 NE/4	200.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	1.002615%
			TOTAL	84.500000% 3.000000% 100.000000%	84.500000% 3.000000% 100.000000%	
TRACT 10						
SF 078500-A	T-28-N, R-7-W Sec. 19: Lots 2,3,4 Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4	565.36	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	2.834192%
			TOTAL	84.500000% 3.000000% 100.000000%	84.500000% 3.000000% 100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078500	<u>TRACT 10-A</u>						
	T-28-N, R-7-W	189.30	Royalty		12.500000%	12.500000%	0.948975%
	Sec. 30: Lots 1, 2, 3, E/2 NW/4		Working Interest				
			El Paso Natural Gas Co.	83.500000%	83.500000%		
			ORRI	4.000000%	4.000000%		
			TOTAL	100.000000%	100.000000%		
	<u>TRACT 11</u>						
	T-27-N, R-7-W	320.00	Royalty		12.500000%	12.500000%	1.604184%
	Sec. 5: SE/4		Working Interest				
	Sec. 8: NW/4		El Paso Natural Gas Co.	69.000000%	69.000000%		
SF 078565-A			ORRI	18.500000%	18.500000%		
			TOTAL	100.000000%	100.000000%		
	<u>TRACT 12</u>						
	T-27-N, R-7-W	320.52	Royalty		12.500000%	12.500000%	1.606790%
	Sec. 5: Lots 3, 4, S/2 NW/4, SW/4		Working Interest				
			El Paso Natural Gas Co.	86.500000%	86.500000%		
			ORRI	1.000000%	1.000000%		
			TOTAL	100.000000%	100.000000%		
	<u>TRACT 13</u>						
	T-27-N, R-7-W	320.00	Royalty		12.500000%	12.500000%	1.604184%
SF 078569	Sec. 8: SW/4, NE/4		Working Interest				
			El Paso Natural Gas Co.	82.500000%	82.500000%		
			ORRI	5.000000%	5.000000%		
			TOTAL	100.000000%	100.000000%		

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078570	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.208367%
	Sec. 4: S/2		Working Interest			
	Sec. 8: SE/4		Tenneco Oil Company	80.500000%	80.500000%	
	Sec. 9: NW/4		ORRI	7.000000%	7.000000%	
	TOTAL			100.000000%	100.000000%	
TRACT 14						
SF 078640	T-27-N, R-7-W	800.00	Royalty	12.500000%	12.500000%	4.010459%
	Sec. 9: SW/4		Working Interest			
	Sec. 15: W/2		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 17: E/2		ORRI	5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
TRACT 15-A						
SF 078640	T-27-N, R-7-W	1,760.00	Royalty	12.500000%	12.500000%	8.823010%
	Sec. 20: E/2		Working Interest			
	Sec. 21: A11		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 22: W/2		ORRI	5.000000%	5.000000%	
	Sec. 27: NW/4			100.000000%	100.000000%	
TRACT 15-A						
SF 078835	T-27-N, R-7-W	640.20	Royalty	12.500000%	12.500000%	3.209370%
	Sec. 6: Lots 3, 4, 5, 6,		Working Interest			
	7, SE/4 NW/4, E/2 SW/4		El Paso Natural Gas Co.	84.000000%	84.000000%	
	Sec. 7: E/2		ORRI	3.500000%	3.500000%	
	TOTAL			100.000000%	100.000000%	
TRACT 16						

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078835-A	T-27-N, R-7-W Sec. 6: Lots 1,2, S/2 NE/4, SE/4 Sec. 7: Lots 1,2,3, 4, E/2 W/2	640.86	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 17	12.500000%	12.500000%	3.212679%
					67.000000%	67.000000%	
					20.500000%	20.500000%	
			TOTAL		100.000000%	100.000000%	
SF 078840	T-27-N, R-7-W Sec. 18: Lots 1,2,3,4, E/2 W/2	320.36	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 18	12.500000%	12.500000%	1.605988%
					67.000000%	67.000000%	
					20.500000%	20.500000%	
			TOTAL		100.000000%	100.000000%	
SF 078840	T-27-N, R-7-W Sec. 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)	641.15	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 18-A	12.500000%	12.500000%	3.214132%
					67.000000%	67.000000%	
					20.500000%	20.500000%	
			TOTAL		100.000000%	100.000000%	
SF 078972	T-27-N, R-7-W Sec. 3: S/2 Sec. 10: A11 Sec. 11: A11	1,600.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	TRACT 19	12.500000%	12.500000%	8.020919%
					70.000000%	70.000000%	
					17.500000%	17.500000%	
			TOTAL		100.000000%	100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 0792290	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.604184%
	Sec. 13: E/2		Working Interest	69.000000%	69.000000%	
			El Paso Natural Gas Co.	18.500000%	18.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 23			
SF 079298-B	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.208367%
	Sec. 12: A11		Working Interest	81.500000%	81.500000%	
			El Paso Natural Gas Co.	6.000000%	6.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 26			
E 290-28	T-27-N, R-7-W	238.96	Royalty	12.500000%	12.500000%	1.197924%
	Sec. 2: Lots 3,4, SW/4		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 28			
E 290-33	T-27-N, R-7-W	80.00	Royalty	12.500000%	12.500000%	0.401046%
	Sec. 2: S/2 NW/4		Working Interest	75.000000%	75.000000%	
			El Paso Natural Gas Co.	12.500000%	12.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
			TRACT 31			

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

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

E 4425-25

T-27-N, R-7-W	40.00	Royalty		12.500000%	12.500000%	0.200523%
Sec. 16: NW/4 NW/4		Working Interest				
		El Paso Natural Gas Co.		83.500000%	83.500000%	
		ORRI		4.000000%	4.000000%	
		TOTAL		100.000000%	100.000000%	

TRACT 32

E 4425-48

T-27-N, R-7-W	40.00	Royalty		12.500000%	12.500000%	0.200523%
Sec. 16: NE/4 NW/4		Working Interest				
		El Paso Natural Gas Co.		82.500000%	82.500000%	
		ORRI		5.000000%	5.000000%	
		TOTAL		100.000000%	100.000000%	

TRACT 33

E 4425-46

T-27-N, R-7-W	40.00	Royalty		12.500000%	12.500000%	0.200523%
Sec. 16: SW/4 NW/4		Working Interest				
*During periods of payout, Mesa's		El Paso Natural Gas Co.		50.700000%	50.700000%	
Working Interest		*Mesa Petroleum Co.		33.800000%*	33.800000%*	
converts to a		ORRI		3.000000%	3.000000%	
12.5% ORRI		TOTAL		100.000000%	100.000000%	

TRACT 34

E 2825-6

T-27-N, R-7-W	520.00	Royalty		12.500000%	12.500000%	2.606799%
Sec. 16: SE/4 NW/4, SW/4, E/2		Working Interest				
		El Paso Natural Gas Co.		49.500000%	49.500000%	
*During periods of payout, Mesa's		*Mesa Petroleum Co.		33.000000%*	33.000000%*	
Working Interest		ORRI		5.000000%	5.000000%	
converts to a		TOTAL		100.000000%	100.000000%	
12.5% ORRI						

TRACT 35

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
					PERCENTAGE		
TRACT 36							
Fee	T-28-N, R-7-W	236.46	Royalty		12.500000%	12.500000%	1.185391%
	Sec. 28: W/2 NE/4,		Working Interest		87.500000%	87.500000%	
	SE/4 NE/4		El Paso Natural Gas Co.		0.000000%	0.000000%	
	Sec. 30: Lot 4, E/2		ORRI		100.000000%	100.000000%	
	SW/4		TOTAL		100.000000%	100.000000%	

Effective June 1, 1981

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 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 28 North, Range 7 West, N.M.P.M.
 Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
 Section 8: Lots 1,2,3,4, S/2 S/2
 Section 9: Lots 1,2,3,4, S/2 S/2
 Section 10: Lots 1,2,3,4, S/2 S/2 (A11)
 Section 11: Lots 1,2,3,4, S/2 S/2
 Sections 15, 17, 35: W/2
 Sections 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
 Sections 13, 15, 28, 33: E/2
 Sections 22, 27, 34: A11
 Section 30: Lots 1,2,3,4, E/2 W/2
 Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4,
 NE/4 SW/4, N/2 SE/4
 Township 27 North, Range 7 West, N.M.P.M.
 Sections 17, 20: E/2
 Sections 2, 15, 18, 22: W/2
 Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: A11
 Section 20: SW/4, S/2 NW/4, N/2 NW/4
 Section 27: NW/4
 Section 28: N/2

Total Number of Acres in Participating Area: 19,947.84
 Total Number of Acres Committed to 19,947.84
 Participating Area:

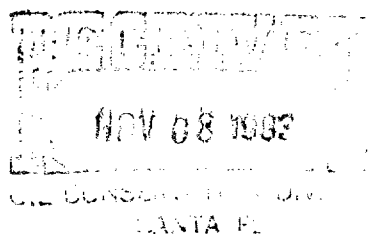
Percent of Basic Royalty Committed: 100.000000%
 Percent of Working Interest Committed: 100.000000%
 Percent of ORRI Committed: 100.000000%

October 15, 1982

Minerals Management Service
South Central Region
505 Marquette Ave. 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 28-7 Unit
#14-08-001-459, Rio Arriba
County, New Mexico
THIRTIETH, THIRTY-FIRST AND
THIRTY-SECOND
EXPANDED PARTICIPATING AREAS
Pictured Cliffs Formation
Effective April 1, 1981, May 1, 1981
and June 1, 1981, respectively and
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that four (4) additional wells capable of producing unitized substances in paying quantities from the Pictured Cliffs formation have been completed upon acreage committed to this Unit. The Participating Area for the Pictured Cliffs formation is expanded accordingly to include these wells as follows:

The San Juan 28-7 Unit #61A Well, located 940' from the South line and 790' from the East line of Section 10, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 30, 1980, and completed on April 28, 1981, at a plugged back depth of 5927'. The Pictured Cliffs formation at the selected intervals between 3319' and 3365' was treated with a sand-water fracturing process on April 9, 1981. The well was shut-in on April 14, 1981 and after being shut-in for fifteen (15) days, the Pictured Cliffs formation was tested on April 28, 1981, using the choke nipple tube method with an after frac guage of

599 MCF/D, with an SIPC of 1037 psia and an SIPT of 1037 psia. The Mesaverde formation at the selected intervals between 5487' and 5898' was treated with a sand-water fracturing process on April 9, 1981. The well was shut-in on April 12, 1981, and after being shut-in for eight (8) days, the Mesaverde formation was tested on April 20, 1981, using the choke nipple tube method with an after frac guage of 7193 MCF/D, with an SIPC of 0 psia and an SIPT of 680 psia. The spacing unit for this well is described as the S/2 of Section 10, Township 28 North, Range 7 West, N.M.P.M., containing 296.08 acres.

The San Juan 28-7 Unit #20A Well, located 1680' from the South line and 1620' from the East line of Section 8, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 21, 1980, and completed on May 4, 1981, at a plugged back depth of 5,957'. The Pictured Cliffs Formation at the selected intervals between 3300' and 3341' was treated with a sand-water fracturing process of April 14, 1981. The well was shut-in on April 20, 1981, and after being shut-in for fourteen (14) days, the Pictured Cliffs Formation was tested on May 4, 1981, using the choke nipple tube method with an after frac guage of 1387 MCF/D, with an SIPC of 964 psia and an SIPT of 964 psia. The Mesaverde Formation at the selected intervals between 5524' and 3928' was treated with a sand-water fracturing process on April 14, 1981. The well was shut-in on April 20, 1981, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on April 27, 1981, using the choke nipple tube method with an after frac guage of 69,416 MCF/D, with an SIPC of 0 psia and an SIPT of 719 psia. The spacing unit for this well is described as the S/2 of Section 8, Township 28 North, Range 7 West, N.M.P.M., containing 304.04 acres.

The San Juan 28-7 Unit #74A Well, located 1600' from the South line and 870' from the East line of Section 11, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 9, 1980, and completed on May 7, 1981, at a plugged back depth of 5972'. The Pictured Cliffs Formation at the selected intervals between 3,338' and 3,456' was treated with a sand-water fracturing process on April 4, 1981. The well was shut-in on April 8, 1981, and after being shut-in for twenty-nine (29) days, the Pictured Cliffs Formation was tested on May 7, 1981, using the choke nipple method with an after frac guage of 1136 MCF/D, with an SIPC of 1006 psia and an SIPT of 1010 psia. The Mesaverde Formation at the selected intervals between 4985' and 5926' was treated with a sand-water fracturing process on March 29, 1981. The well was shut-in on April 23, 1981, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on April 30, 1981, using the choke nipple tube method with an after frac guage of 288 MCF/D, with an SIPC of 0 psia and an SIPT of 811 psia. The spacing unit for this well is described as the S/2 of Section 11, Township 28 North, Range 7 West, N.M.P.M., containing 292.80 acres.

The San Juan 28-7 Unit #33A Well, located 1520' from the South line and 1830' from the East line of Section 13, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 19, 1980, and completed on March 6, 1981, at a plugged back depth of 6098'. The Pictured Cliffs Formation at the selected intervals between 3434' and 3497' was treated with a sand-water fracturing process on February 9, 1981. The well was shut-in on February 14, 1981, and after being shut-in for twenty (20) days, the Pictured Cliffs Formation was tested on March 6, 1981, using the choke nipple tube method with an after frac guage of 1333 MCF/D, with an SIPC of 1011 psia and an SIPT of 1011 psia. The Mesaverde Formation at the selected intervals between 5063' and 6047' was treated with a sand-water fracturing process on February 9, 1981. The well was shut-in on February 14, 1981, and after being shut-in for eleven (11) days, the Mesaverde Formation was tested on February 25, 1981, using the choke nipple tube method with an after frac guage of 4610 MCF/D, with an SIPC of 0 psia and and SIPT of 825 psia. The spacing unit for this well is described as the E/2 of Section 13, Township 28 North, Range 7 West, N.M.P.M., containing 320.00 acres.

The drilling block for the #33A well is included in the San Juan 28-7 Unit Thirtieth Expanded Participating Area of the Pictured Cliffs formation, effective April 1, 1981. The drilling block for the #61A well is included in the San Juan 28-7 Unit Thirty-First Expanded Participating Area of the Pictured Cliffs formation, effective May 1, 1981. The drilling block for the #20A and #74A wells are included in the San Juan 28-7 Unit Thirty-Second Expanded Participating Area of the Pictured Cliffs formation, effective June 1, 1981.

The Mesaverde formation of the #33A, #20A, #74A and #61A wells has been completed on acreage already in the existing Mesaverde Participating Area. The completion of these wells does not warrant any further expansion of the Mesaverde Participating Area.

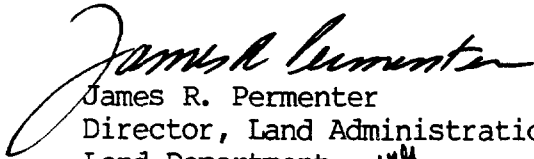
In addition to the above, the completion of the #61A well creates two (2) intervening drilling blocks described as the E/2 of Section 15, T-28-N, R-7-W, and the S/2 of Section 9, T-28-N, R-7-W, which pursuant to the terms of the Unit Agreement must also be admitted to the Participating Area.

Attached hereto are Schedules XXXI, XXXII and XXXIII showing the Thirtieth, Thirty-First and Thirty-Second Expanded Participating Areas for the Pictured Cliffs formation in the San Juan 28-7 Unit Area. These Schedules describe the Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentages allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, these Expanded Participating Areas will become effective as of April 1, 1981, May 1, 1981 and June 1, 1981 respectively.

Regulatory Agencies
October 15, 1982
Page Four

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

Very truly yours,


James R. Permenter
Director, Land Administration
Land Department JRP

JRP:VLG:cc
Attachments
SJ 28-7, 4.1, 4.2.1

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

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: _____

The foregoing approvals are for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico, Thirtieth, Thirty-First and Thirty-Second Expanded Participating Areas, Pictured Cliffs Formation, Effective April 1, 1981, May 1, 1981 and June 1, 1981.

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	<u>TRACT 1</u>					
	T-27-N, R-7-W	280.00	Royalty	12.500000%	12.500000%	1.518827%
	Sec. 20: SW/4, S/2 NW/4, NE/4 NW/4		Working Interest El Paso Natural Gas Co. ORRI	64.625000% 22.875000% 100.000000%	64.625000% 22.875000% 100.000000%	
	TOTAL					
	<u>TRACT 2</u>					
	T-27-N, R-7-W	1,281.44	Royalty	12.500000%	12.500000%	6.951021%
	Sec. 29: All Sec. 30: All		Working Interest El Paso Natural Gas Co. ORRI	63.125000% 24.375000% 100.000000%	63.125000% 24.375000% 100.000000%	
	TOTAL					
	<u>TRACT 3</u>					
	T-28-N, R-7-W	760.00	Royalty	12.500000%	12.500000%	4.122531%
SF 078417	Sec. 7: S/2 SE/4, SE/4 SW/4		Working Interest El Paso Natural Gas Co. ORRI	84.500000% 3.000000% 100.000000%	84.500000% 3.000000% 100.000000%	
	Sec. 17: W/2 Sec. 18: E/2					
	TOTAL					
	<u>TRACT 4</u>					
	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.735802%
	Sec. 18: E/2 NW/4 Sec. 22: S/2 NW/4, SW/4		Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000% 100.000000%	83.500000% 4.000000% 100.000000%	
	TOTAL					
	<u>TRACT 4</u>					
	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.735802%
	Sec. 18: E/2 NW/4 Sec. 22: S/2 NW/4, SW/4		Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000% 100.000000%	83.500000% 4.000000% 100.000000%	
TOTAL						

Effective April 1, 1981

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP		DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
SF 078496					TRACT 5				
	T-27-N, R-7-W	1,362.24	Royalty			12.500000%	12.500000%	7.389311%	
	Sec. 3: N/2		Working	Interest					
	Sec. 5: Lots 1,2		El Paso	Natural Gas Co.		84.500000%	84.500000%		
	S/2 NE/4		ORRI			3.000000%	3.000000%		
	T-28-N, R-7-W								
	Sec. 27: SE/4, E/2 NE/4								
	Sec. 34: Lots 3,4, N/2								
	SW/4, NW/4								
	Sec. 35: Lots 3,4, N/2								
	SW/4, NW/4								
	TOTAL					100.000000%	100.000000%		
					TRACT 6				
SF 078496-A	T-27-N, R-7-W	641.83	Royalty			12.500000%	12.500000%	3.481532%	
	Sec. 4: N/2		Working	Interest					
	T-28-N, R-7-W		El Paso	Natural Gas Co.		83.500000%	83.500000%		
	Sec. 34: Lots 1,2		ORRI			4.000000%	4.000000%		
	N/2 SE/4, NE/4					100.000000%	100.000000%		
		TOTAL							
						TRACT 7			
	SF 078497	T-28-N, R-7-W	695.52	Royalty			12.500000%	12.500000%	3.772766%
		Sec. 7: Lots 1,2,3,4,5		Working	Interest				
		Sec. 19: E/2, Lot 1,		El Paso	Natural Gas Co.		84.500000%	84.500000%	
E/2 W/2			ORRI			3.000000%	3.000000%		
		TOTAL				100.000000%	100.000000%		
					TRACT 8				
SF 078497-A		T-28-N, R-7-W	224.76	Royalty			12.500000%	12.500000%	1.219184%
		Sec. 18: Lots 1,2,		Working	Interest				
		3,4, E/2 SW/4		El Paso	Natural Gas Co.		83.500000%	83.500000%	
				ORRI			4.000000%	4.000000%	
		TOTAL				100.000000%	100.000000%		

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078498	TRACT 9				
	T-28-N, R-7-W	716.32	Royalty	12.500000%	12.500000%
	Sec. 27: W/2 NE/4, W/2		Working Interest		
	Sec. 33: Lots 1,2,		El Paso Natural Gas Co.	84.500000%	84.500000%
	N/2 SE/4, NE/4		ORRI	3.000000%	3.000000%
	TOTAL			100.000000%	100.000000%
	TRACT 9-A				
	T-28-N, R-7-W	200.00	Royalty	12.500000%	12.500000%
	Sec. 28: SE/4, NE/4		Working Interest		
	NE/4		El Paso Natural Gas Co.	84.500000%	84.500000%
SF 078500-A			ORRI	3.000000%	3.000000%
	TOTAL			100.000000%	100.000000%
	TRACT 10				
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%
	Sec. 19: Lots 2,3,4		Working Interest		
	Sec. 31: Lots 1,2,3,4,		El Paso Natural Gas Co.	84.500000%	84.500000%
	5,6,7, N/2 SE/4, E/2		ORRI	3.000000%	3.000000%
	NW/4, NE/4 SW/4		TOTAL	100.000000%	100.000000%
	TRACT 10-A				
	T-28-N, R-7-W	189.30	Royalty	12.500000%	12.500000%
SF 078500	Sec. 30: Lots 1,2,3,		Working Interest		
	E/2 NW/4		El Paso Natural Gas Co.	83.500000%	83.500000%
			ORRI	4.000000%	4.000000%
	TOTAL			100.000000%	100.000000%

Effective April 1, 1981

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078565	TRACT 11					
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.735802%
	Sec. 5: SE/4		Working Interest	69.000000%	69.000000%	
	Sec. 8: NW/4		El Paso Natural Gas Co.	18.500000%	18.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
	TRACT 12					
	T-27-N, R-7-W	320.52	Royalty	12.500000%	12.500000%	1.738623%
	Sec. 5: Lots 3,4, S/2 NW/4, SW/4		Working Interest	86.500000%	86.500000%	
			El Paso Natural Gas Co.	1.000000%	1.000000%	
SF 078565-A			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
	TRACT 13					
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.735802%
	Sec. 8: SW/4, NE/4		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
	TRACT 14					
	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.471604%
SF 078570	Sec. 4: S/2		Working Interest	80.500000%	80.500000%	
	Sec. 8: SE/4		Tenneco Oil Company	7.000000%	7.000000%	
	Sec. 9: NW/4		ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		

Effective April 1, 1981

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 0786640						
	T-27-N, R-7-W	800.00	Royalty	12.500000%	12.500000%	4.339506%
	Sec. 9: SW/4		Working Interest			
	Sec. 15: W/2		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 17: E/2		ORRI	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 15					
SF 078640						
	T-27-N, R-7-W	1,760.00	Royalty	12.500000%	12.500000%	9.546912%
	Sec. 20: E/2		Working Interest			
	Sec. 21: A11		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 22: W/2		ORRI	5.000000%	5.000000%	
	Sec. 27: NW/4			100.000000%	100.000000%	
	Sec. 28: N/2		TOTAL			
	TRACT 15-A					
SF 078835						
	T-27-N, R-7-W	640.20	Royalty	12.500000%	12.500000%	3.472689%
	Sec. 6: Lots 3,4,5,6, 7, SE/4 NW/4, E/2 SW/4		Working Interest			
	Sec. 7: E/2		El Paso Natural Gas Co.	84.000000%	84.000000%	
			ORRI	3.500000%	3.500000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 16					
SF 078835-A						
	T-27-N, R-7-W	640.86	Royalty	12.500000%	12.500000%	3.476269%
	Sec. 6: Lots 1,2, S/2 NE/4, SE/4		Working Interest			
	Sec. 7: Lots 1,2,3, 4, E/2 W/2		El Paso Natural Gas Co.	67.000000%	67.000000%	
			ORRI	20.500000%	20.500000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 17					

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078840	TRACT 18				
	T-27-N, R-7-W	320.36	Royalty	12.500000%	12.500000%
	Sec. 18: Lots 1,2,3,4, E/2 W/2		Working Interest	67.000000%	67.000000%
			El Paso Natural Gas Co.	20.500000%	20.500000%
			ORRI	100.000000%	100.000000%
			TOTAL	100.000000%	
	TRACT 18-A				
	T-27-N, R-7-W	641.15	Royalty	12.500000%	12.500000%
	Sec. 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)		Working Interest	67.000000%	67.000000%
			El Paso Natural Gas Co.	20.500000%	20.500000%
SF 078840			ORRI	100.000000%	100.000000%
			TOTAL	100.000000%	
	TRACT 19				
	T-27-N, R-7-W	1,600.00	Royalty	12.500000%	12.500000%
	Sec. 3: S/2		Working Interest	70.000000%	70.000000%
	Sec. 10: A11		El Paso Natural Gas Co.	17.500000%	17.500000%
	Sec. 11: A11		ORRI	100.000000%	100.000000%
			TOTAL	100.000000%	
	TRACT 20				
	T-27-N, R-7-W	320.00	Royalty	12.500000%	12.500000%
SF 078972-A	Sec. 9: E/2		Working Interest	66.667000%	66.667000%
			El Paso Natural Gas Co.	6.666000%	6.666000%
			Waymon G. Peavy		
			Margaret Hotchkiss, Ancillary		
			Admin. of the Est. of A.		
			Harvey Arant, Dec'd. &		
			Ancillary Guardian of		
			Lylla Arant		
			ORRI	6.667000%	6.667000%
			TOTAL	7.500000%	7.500000%
			100.000000%	100.000000%	

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079289	TRACT 21					
	T-28-N, R-7-W	80.00	Royalty	12.500000%	12.500000%	0.433951%
	Sec. 22: N/2 NW/4		Working Interest			
			El Paso Natural Gas Co.	69.000000%	69.000000%	
			ORRI	18.500000%	18.500000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 22					
	T-28-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.471604%
	Sec. 15: W/2		Working Interest			
	Sec. 22: E/2		El Paso Natural Gas Co.	52.500000%	52.500000%	
SF 079289-A			Thelma Ford Simmons, Indiv. and as Independent Executrix of the Est. of D. J. Simmons	35.000000%	35.000000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 23					
	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.735802%
	Sec. 13: E/2		Working Interest			
			El Paso Natural Gas Co.	69.000000%	69.000000%	
			ORRI	18.500000%	18.500000%	
			TOTAL	100.000000%	100.000000%	
	TRACT 26					
	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.471604%
SF 079298-B	Sec. 12: A11		Working Interest			
			El Paso Natural Gas Co.	81.500000%	81.500000%	
			ORRI	6.000000%	6.000000%	
			TOTAL	100.000000%	100.000000%	

Effective April 1, 1981

SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 290-28			<u>TRACT 28</u>			
	<u>T-27-N, R-7-W</u>	238.96	Royalty	12.500000%	12.500000%	1.296210%
	<u>Sec. 2: Lots 3,4, SW/4</u>		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	
E 290-33			<u>TRACT 31</u>			
	<u>T-27-N, R-7-W</u>	80.00	Royalty	12.500000%	12.500000%	0.433951%
	<u>Sec. 2: S/2 NW/4</u>		Working Interest	75.000000%	75.000000%	
			El Paso Natural Gas Co.	12.500000%	12.500000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	
E 4425-25			<u>TRACT 32</u>			
	<u>T-27-N, R-7-W</u>	40.00	Royalty	12.500000%	12.500000%	0.216975%
	<u>Sec. 16: NW/4 NW/4</u>		Working Interest	83.500000%	83.500000%	
			El Paso Natural Gas Co.	4.000000%	4.000000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	
E 4425-48			<u>TRACT 33</u>			
	<u>T-27-N, R-7-W</u>	40.00	Royalty	12.500000%	12.500000%	0.216975%
	<u>Sec. 16: NE/4 NW/4</u>		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	<u>100.000000%</u>	<u>100.000000%</u>	

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SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-46	TRACT 34					
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.216975%
	Sec. 16: SW/4 NW/4		Working Interest	50.700000%	50.700000%	
	During periods of		El Paso Natural Gas Co.	33.800000%	33.800000%*	
	payout, Mesa's		*Mesa Petroleum Co.	3.000000%	3.000000%	
	Working Interest		ORRI	100.000000%	100.000000%	
	converts to a		TOTAL			
	12.5% ORRI					
	TRACT 35					
	T-27-N, R-7-W	520.00	Royalty	12.500000%	12.500000%	2.820679%
E 2825-6	Sec. 16: SE/4 NW/4,		Working Interest	49.500000%	49.500000%	
	SW/4, E/2		El Paso Natural Gas Co.	33.000000%*	33.000000%*	
	*During periods of		*Mesa Petroleum Co.	5.000000%	5.000000%	
	payout, Mesa's		ORRI	100.000000%	100.000000%	
	Working Interest		TOTAL			
	converts to a					
	12.5% ORRI					
	TRACT 36					
	T-28-N, R-7-W	236.46	Royalty	12.500000%	12.500000%	1.282649%
	Fee	Sec. 28: W/2 NE/4,		Working Interest	87.500000%	87.500000%
SE/4 NE/4			El Paso Natural Gas Co.	0.000000%	0.000000%	
Sec. 30: Lot 4, E/2			ORRI	100.000000%	100.000000%	
SW/4			TOTAL			

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SCHEDULE XXXI
THIRTIETH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 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 28 North, Range 7 West, N.M.P.M.
 Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
 Sections 15, 17, 35: W/2
 Sections 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
 Sections 13, 28, 33: E/2
 Sections 22, 27, 34: A11
 Section 30: Lots 1,2,3,4, E/2 W/2
 Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4,
 NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
 Sections 17, 20: E/2
 Sections 2, 15, 18, 22: W/2
 Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: A11
 Section 20: SW/4, S/2 NW/4, N/2 NW/4
 Section 27: NW/4
 Section 28: N/2

Total Number of Acres in Participating Area:	18,435.28
Total Number of Acres Committed to Participating Area:	18,435.28
Percent of Basic Royalty Committed:	100.000000%
Percent of Working Interest Committed:	100.000000%
Percent of ORRI Committed:	100.000000%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	TRACT 1					
	T-27-N, R-7-W	280.00	Royalty	12.500000%	12.500000%	1.469711%
	Sec. 20: SW/4, S/2 NW/4, NE/4 NW/4		Working Interest El Paso Natural Gas Co. ORRI	64.625000% 22.875000% 100.000000%	64.625000% 22.875000% 100.000000%	
	TOTAL					
	TRACT 2					
	T-27-N, R-7-W	1,281.44	Royalty	12.500000%	12.500000%	6.726238%
	Sec. 29: All Sec. 30: All		Working Interest El Paso Natural Gas Co. ORRI	63.125000% 24.375000% 100.000000%	63.125000% 24.375000% 100.000000%	
	TOTAL					
	TRACT 3					
	T-28-N, R-7-W	760.00	Royalty	12.500000%	12.500000%	3.989217%
SF 078417	Sec. 7: S/2 SE/4, SE/4 SW/4		Working Interest El Paso Natural Gas Co. ORRI	84.500000% 3.000000% 100.000000%	84.500000% 3.000000% 100.000000%	
	Sec. 17: W/2 Sec. 18: E/2					
	TOTAL					
	TRACT 4					
	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.679670%
SF 078417-A	Sec. 18: E/2 NW/4 Sec. 22: S/2 NW/4, SW/4		Working Interest El Paso Natural Gas Co. ORRI	83.500000% 4.000000% 100.000000%	83.500000% 4.000000% 100.000000%	
	TOTAL					

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078496	TRACT 5						
	T-27-N, R-7-W	1,362.24	Royalty		12.500000%	12.500000%	7.150355%
	Sec. 3: N/2		Working Interest				
	Sec. 5: Lots 1,2		El Paso Natural Gas Co.		84.500000%	84.500000%	
	S/2 NE/4		ORRI		3.000000%	3.000000%	
	T-28-N, R-7-W						
	Sec. 27: SE/4, E/2 NE/4						
	Sec. 34: Lots 3,4, N/2						
	SW/4, NW/4						
	Sec. 35: Lots 3,4, N/2						
	SW/4, NW/4			TOTAL	100.000000%	100.000000%	
SF 078496-A	TRACT 6						
	T-27-N, R-7-W	641.83	Royalty		12.500000%	12.500000%	3.368946%
	Sec. 4: N/2		Working Interest				
	T-28-N, R-7-W		El Paso Natural Gas Co.		83.500000%	83.500000%	
	Sec. 34: Lots 1,2		ORRI		4.000000%	4.000000%	
	N/2 SE/4, NE/4			TOTAL	100.000000%	100.000000%	
SF 078497	TRACT 7						
	T-28-N, R-7-W	695.52	Royalty		12.500000%	12.500000%	3.650763%
	Sec. 7: Lots 1,2,3,4,5		Working Interest				
	Sec. 19: E/2, Lot 1,		El Paso Natural Gas Co.		84.500000%	84.500000%	
	E/2 W/2		ORRI		3.000000%	3.000000%	
				TOTAL	100.000000%	100.000000%	
SF 078497-A	TRACT 8						
	T-28-N, R-7-W	224.76	Royalty		12.500000%	12.500000%	1.179758%
	Sec. 18: Lots 1,2,		Working Interest				
	3,4, E/2 SW/4		El Paso Natural Gas Co.		83.500000%	83.500000%	
			ORRI		4.000000%	4.000000%	
				TOTAL	100.000000%	100.000000%	

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078498	TRACT 9					
	T-28-N, R-7-W	716.32	Royalty	12.500000%	12.500000%	3.759942%
	Sec. 27: W/2 NE/4, W/2		Working Interest			
	Sec. 33: Lots 1,2, N/2 SE/4, NE/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
SF 078498-A	TRACT 9-A					
	T-28-N, R-7-W	200.00	Royalty	12.500000%	12.500000%	1.049794%
	Sec. 28: SE/4, NE/4		Working Interest			
	NE/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
SF 078500-A	TRACT 10					
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	2.967557%
	Sec. 19: Lots 2,3,4		Working Interest			
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co. ORRI	84.500000% 3.000000%	84.500000% 3.000000%	
	TOTAL			100.000000%	100.000000%	
SF 078500	TRACT 10-A					
	T-28-N, R-7-W	189.30	Royalty	12.500000%	12.500000%	0.993630%
	Sec. 30: Lots 1,2,3, E/2 NW/4		Working Interest			
			El Paso Natural Gas Co. ORRI	83.500000% 4.000000%	83.500000% 4.000000%	
	TOTAL			100.000000%	100.000000%	

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078565	<u>T-27-N, R-7-W</u>	320.00				
	Sec. 5: SE/4		Royalty Working Interest	12.500000%	12.500000%	1.679670%
	Sec. 8: NW/4		El Paso Natural Gas Co. ORRI	69.000000% 18.500000%	69.000000% 18.500000%	
	TOTAL			100.000000%	100.000000%	
			<u>TRACT 11</u>			
SF 078565-A	<u>T-27-N, R-7-W</u>	320.52				
	Sec. 5: Lots 3,4, S/2 NW/4, SW/4		Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 86.500000% 1.000000%	12.500000% 86.500000% 1.000000%	1.682400%
	TOTAL			100.000000%	100.000000%	
			<u>TRACT 12</u>			
SF 078569	<u>T-27-N, R-7-W</u>	320.00				
	Sec. 8: SW/4, NE/4		Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 82.500000% 5.000000%	12.500000% 82.500000% 5.000000%	1.679670%
	TOTAL			100.000000%	100.000000%	
			<u>TRACT 13</u>			
SF 078570	<u>T-27-N, R-7-W</u>	640.00				
	Sec. 4: S/2		Royalty Working Interest	12.500000%	12.500000%	3.359340%
	Sec. 8: SE/4		Tenneco Oil Company	80.500000%	80.500000%	
	Sec. 9: NW/4		ORRI	7.000000%	7.000000%	
	TOTAL			100.000000%	100.000000%	
			<u>TRACT 14</u>			

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078640						
	T-27-N, R-7-W	800.00	Royalty	12.500000%	12.500000%	4.199175%
	Sec. 9: SW/4		Working Interest			
	Sec. 15: W/2		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 17: E/2		ORRI	5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 15					
SF 078640						
	T-27-N, R-7-W	1,760.00	Royalty	12.500000%	12.500000%	9.238186%
	Sec. 20: E/2		Working Interest			
	Sec. 21: A11		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 22: W/2		ORRI	5.000000%	5.000000%	
	Sec. 27: NW/4			100.000000%	100.000000%	
	Sec. 28: N/2		TOTAL	100.000000%	100.000000%	
	TRACT 15-A					
SF 078835						
	T-27-N, R-7-W	640.20	Royalty	12.500000%	12.500000%	3.360390%
	Sec. 6: Lots 3,4,5,6,7, SE/4 NW/4, E/2 SW/4		Working Interest			
	Sec. 7: E/2		El Paso Natural Gas Co.	84.000000%	84.000000%	
			ORRI	3.500000%	3.500000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 16					
SF 078835-A						
	T-27-N, R-7-W	640.86	Royalty	12.500000%	12.500000%	3.363854%
	Sec. 6: Lots 1,2, S/2 NE/4, SE/4		Working Interest			
	Sec. 7: Lots 1,2,3,4, E/2 W/2		El Paso Natural Gas Co.	67.000000%	67.000000%	
			ORRI	20.500000%	20.500000%	
	TOTAL			100.000000%	100.000000%	
	TRACT 17					

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SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078840	<u>T-27-N, R-7-W</u>	320.36	Royalty	12.500000%	12.500000%	1.681560%
	<u>Sec. 18: Lots 1,2,3,4,</u>		Working Interest			
	<u>E/2 W/2</u>		El Paso Natural Gas Co.	67.000000%	67.000000%	
			ORRI	20.500000%	20.500000%	
			TOTAL	100.000000%	100.000000%	
			<u>TRACT 18</u>			
SF 078840	<u>T-27-N, R-7-W</u>	641.15	Royalty	12.500000%	12.500000%	3.365377%
	<u>Sec. 19: Lots 1,2,3,4,</u>		Working Interest			
	<u>E/2 W/2, E/2 (A11)</u>		El Paso Natural Gas Co.	67.000000%	67.000000%	
			ORRI	20.500000%	20.500000%	
			TOTAL	100.000000%	100.000000%	
			<u>TRACT 18-A</u>			
SF 078972	<u>T-27-N, R-7-W</u>	1,600.00	Royalty	12.500000%	12.500000%	8.398351%
	<u>Sec. 3: S/2</u>		Working Interest			
	<u>Sec. 10: A11</u>		El Paso Natural Gas Co.	70.000000%	70.000000%	
	<u>Sec. 11: A11</u>		ORRI	17.500000%	17.500000%	
			TOTAL	100.000000%	100.000000%	
			<u>TRACT 19</u>			
SF 078972-A	<u>T-27-N, R-7-W</u>	320.00	Royalty	12.500000%	12.500000%	1.679670%
	<u>Sec. 9: E/2</u>		Working Interest			
			El Paso Natural Gas Co.	66.667000%	66.667000%	
			Waymon G. Peavy	6.666000%	6.666000%	
			Margaret Hotchkiss, Ancillary			
			Admin. of the Est. of A.			
			Harvey Arant, Dec'd. &			
			Ancillary Guardian of			
			Lylla Arant	6.667000%	6.667000%	
			ORRI	7.500000%	7.500000%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 21</u>							
SF 079289	T-28-N, R-7-W	696.08	Royalty		12.500000%	12.500000%	3.653702%
	Sec. 10: Lots 1,2,3,4		Working Interest				
	S/2 S/2 (All)		El Paso Natural Gas Co.		69.000000%	69.000000%	
	Sec. 15: E/2		ORRI		18.500000%	18.500000%	
	Sec. 22: N/2 NW/4		TOTAL		100.000000%	100.000000%	
			<u>TRACT 22</u>				
SF 079289-A	T-28-N, R-7-W	640.00	Royalty		12.500000%	12.500000%	3.359340%
	Sec. 15: W/2		Working Interest				
	Sec. 22: E/2		El Paso Natural Gas Co.		52.500000%	52.500000%	
			Thelma Ford Simmons, Indiv.				
			and as Independent Executrix				
			of the Est. of D. J. Simmons		35.000000%	35.000000%	
			TOTAL		100.000000%	100.000000%	
			<u>TRACT 23</u>				
SF 079290	T-28-N, R-7-W	320.00	Royalty		12.500000%	12.500000%	1.679670%
	Sec. 13: E/2		Working Interest				
			El Paso Natural Gas Co.		69.000000%	69.000000%	
			ORRI		18.500000%	18.500000%	
			TOTAL		100.000000%	100.000000%	
			<u>TRACT 26</u>				
SF 079298-B	T-27-N, R-7-W	640.00	Royalty		12.500000%	12.500000%	3.359340%
	Sec. 12: All		Working Interest				
			El Paso Natural Gas Co.		81.500000%	81.500000%	
			ORRI		6.000000%	6.000000%	
			TOTAL		100.000000%	100.000000%	

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 290-28			TRACT 28			
	T-27-N, R-7-W	238.96	Royalty	12.500000%	12.500000%	1.254294%
	Sec. 2: Lots 3,4, SW/4		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%	
E 290-33			TRACT 31			
	T-27-N, R-7-W	80.00	Royalty	12.500000%	12.500000%	0.419918%
	Sec. 2: S/2 NW/4		Working Interest	75.000000%	75.000000%	
			El Paso Natural Gas Co.	12.500000%	12.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%	100.000000%	
E 4425-25			TRACT 32			
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.209959%
	Sec. 16: NW/4 NW/4		Working Interest	83.500000%	83.500000%	
			El Paso Natural Gas Co.	4.000000%	4.000000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%	100.000000%	
E 4425-48			TRACT 33			
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.209959%
	Sec. 16: NE/4 NW/4		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 XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-46	TRACT 34					
	T-27-N, R-7-W	40.00	Royalty	12.500000%	12.500000%	0.209959%
	Sec. 16: SW/4 NW/4		Working Interest			
	*During periods of		El Paso Natural Gas Co.	50.700000%	50.700000%	
	payout, Mesa's		*Mesa Petroleum Co.	33.800000%*	33.800000%*	
	Working Interest		ORRI	3.000000%	3.000000%	
	converts to a					
	12.5% ORRI		TOTAL	100.000000%	100.000000%	
	TRACT 35					
	T-27-N, R-7-W	520.00	Royalty	12.500000%	12.500000%	2.729464%
E 2825-6	Sec. 16: SE/4 NW/4,		Working Interest			
	SW/4, E/2		El Paso Natural Gas Co.	49.500000%	49.500000%	
	*During periods of		*Mesa Petroleum Co.	33.000000%*	33.000000%*	
	payout, Mesa's		ORRI	5.000000%	5.000000%	
	Working Interest					
	converts to a		TOTAL	100.000000%	100.000000%	
	12.5% ORRI					
	TRACT 36					
	T-28-N, R-7-W	236.46	Royalty	12.500000%	12.500000%	1.241171%
	Sec. 28: W/2 NE/4,		Working Interest			
SE/4 NE/4		El Paso Natural Gas Co.	87.500000%	87.500000%		
Sec. 30: Lot 4, E/2		ORRI	0.000000%	0.000000%		
SW/4		TOTAL	100.000000%	100.000000%		
Fee						

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 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 28 North, Range 7 West, N.M.P.M.
Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
Section 10: Lots 1,2,3,4, S/2 S/2 (All)
Sections 15, 17, 35: W/2
Sections 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (All)
Sections 13, 15, 28, 33: E/2
Sections 22, 27, 34: All
Section 30: Lots 1,2,3,4, E/2 W/2
Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4,
NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
Sections 17, 20: E/2
Sections 2, 15, 18, 22: W/2
Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: All
Section 20: SW/4, S/2 NW/4, N/2 NW/4
Section 27: NW/4
Section 28: N/2

Total Number of Acres in Participating Area:	19,051.36
Total Number of Acres Committed to Participating Area:	19,051.36

Percent of Basic Royalty Committed:	100.000000%
Percent of Working Interest Committed:	100.000000%
Percent of ORRI Committed:	100.000000%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521						
	T-27-N, R-7-W	280.00	Royalty	12.500000%	12.500000%	1.403661%
	Sec. 20: SW/4, S/2		Working Interest	64.625000%	64.625000%	
	NW/4, NE/4 NW/4		El Paso Natural Gas Co.	22.875000%	22.875000%	
			ORRI	100.000000%	100.000000%	
			TOTAL			
				100.000000%		
NM 03560						
	T-27-N, R-7-W	1,281.44	Royalty	12.500000%	12.500000%	6.423954%
	Sec. 29: All		Working Interest	63.125000%	63.125000%	
	Sec. 30: All		El Paso Natural Gas Co.	24.375000%	24.375000%	
			ORRI	100.000000%	100.000000%	
			TOTAL			
				100.000000%		
SF 078417						
	T-28-N, R-7-W	840.00	Royalty	12.500000%	12.500000%	4.210982%
	Sec. 7: S/2 SE/4,		Working Interest	84.500000%	84.500000%	
	SE/4 SW/4		El Paso Natural Gas Co.	3.000000%	3.000000%	
	Sec. 8: S/2 SW/4		ORRI	100.000000%	100.000000%	
	Sec. 17: W/2					
	Sec. 18: E/2					
			TOTAL			
				100.000000%		
SF 078417-A						
	T-28-N, R-7-W	320.00	Royalty	12.500000%	12.500000%	1.604184%
	Sec. 18: E/2 NW/4		Working Interest	83.500000%	83.500000%	
	Sec. 22: S/2 NW/4,		El Paso Natural Gas Co.	4.000000%	4.000000%	
	SW/4		ORRI	100.000000%	100.000000%	
			TOTAL			
				100.000000%		

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078496	T-27-N, R-7-W	1,362.24	Royalty	12.500000%	12.500000%	6.829010%
	Sec. 3: N/2		Working Interest			
	Sec. 5: Lots 1,2		El Paso Natural Gas Co.	84.500000%	84.500000%	
	S/2 NE/4		ORRI	3.000000%	3.000000%	
	T-28-N, R-7-W					
	Sec. 27: SE/4, E/2 NE/4					
	Sec. 34: Lots 3,4, N/2					
	SW/4, NW/4					
	Sec. 35: Lots 3,4, N/2					
	SW/4, NW/4		TOTAL	100.000000%	100.000000%	
SF 078496-A	T-27-N, R-7-W	641.83	Royalty	12.500000%	12.500000%	3.217541%
	Sec. 4: N/2		Working Interest			
	T-28-N, R-7-W		El Paso Natural Gas Co.	83.500000%	83.500000%	
	Sec. 34: Lots 1,2		ORRI	4.000000%	4.000000%	
	N/2 SE/4, NE/4		TOTAL	100.000000%	100.000000%	
			TRACT 6			
SF 078497	T-28-N, R-7-W	919.56	Royalty	12.500000%	12.500000%	4.609822%
	Sec. 7: Lots 1,2,3,4,5		Working Interest			
	Sec. 8: Lots 1,2,3,4,					
	S/2 SE/4					
	Sec. 19: E/2, Lot 1,		El Paso Natural Gas Co.	84.500000%	84.500000%	
	E/2 W/2		ORRI	3.000000%	3.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 7			

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078497-A	<u>TRACT 8</u>					
	T-28-N, R-7-W	524.40	Royalty	12.500000%	12.500000%	2.628856%
	Sec. 9: Lots 1,2,3,4, S/2 S/2 (All)		Working Interest	83.500000%	83.500000%	
	Sec. 18: Lots 1,2, 3,4, E/2 SW/4		El Paso Natural Gas Co. ORRI	4.000000%	4.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 9</u>					
	T-28-N, R-7-W	716.32	Royalty	12.500000%	12.500000%	3.590965%
	Sec. 27: W/2 NE/4, W/2		Working Interest	84.500000%	84.500000%	
	Sec. 33: Lots 1,2, N/2 SE/4, NE/4		El Paso Natural Gas Co. ORRI	3.000000%	3.000000%	
	TOTAL			100.000000%	100.000000%	
SF 078498-A	<u>TRACT 9-A</u>					
	T-28-N, R-7-W	200.00	Royalty	12.500000%	12.500000%	1.002615%
	Sec. 28: SE/4, NE/4		Working Interest	84.500000%	84.500000%	
	NE/4		El Paso Natural Gas Co. ORRI	3.000000%	3.000000%	
	TOTAL			100.000000%	100.000000%	
	<u>TRACT 10</u>					
	T-28-N, R-7-W	565.36	Royalty	12.500000%	12.500000%	2.834192%
	Sec. 19: Lots 2,3,4		Working Interest	84.500000%	84.500000%	
	Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4		El Paso Natural Gas Co. ORRI	3.000000%	3.000000%	
	TOTAL			100.000000%	100.000000%	
SF 078500-A						

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078500	T-28-N, R-7-W Sec. 30: Lots 1, 2, 3, E/2 NW/4	189.30	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 83.500000% 4.000000% 100.000000%	12.500000% 83.500000% 4.000000% 100.000000%	0.948975%
			TOTAL	100.000000%	100.000000%	
			TRACT 10-A			
SF 078565	T-27-N, R-7-W Sec. 5: SE/4 Sec. 8: NW/4	320.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 69.000000% 18.500000% 100.000000%	12.500000% 69.000000% 18.500000% 100.000000%	1.604184%
			TOTAL	100.000000%	100.000000%	
			TRACT 11			
SF 078565-A	T-27-N, R-7-W Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	320.52	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 86.500000% 1.000000% 100.000000%	12.500000% 86.500000% 1.000000% 100.000000%	1.606790%
			TOTAL	100.000000%	100.000000%	
			TRACT 12			
SF 078569	T-27-N, R-7-W Sec. 8: SW/4, NE/4	320.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	1.604184%
			TOTAL	100.000000%	100.000000%	
			TRACT 13			

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078570	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.208367%
	Sec. 4: S/2		Working Interest			
	Sec. 8: SE/4		Tenneco Oil Company	80.500000%	80.500000%	
	Sec. 9: NW/4		ORRI	7.000000%	7.000000%	
	TOTAL			100.000000%	100.000000%	
TRACT 14						
SF 078640	T-27-N, R-7-W	800.00	Royalty	12.500000%	12.500000%	4.010459%
	Sec. 9: SW/4		Working Interest			
	Sec. 15: W/2		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 17: E/2		ORRI	5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
TRACT 15-A						
SF 078640	T-27-N, R-7-W	1,760.00	Royalty	12.500000%	12.500000%	8.823010%
	Sec. 20: E/2		Working Interest			
	Sec. 21: A11		El Paso Natural Gas Co.	82.500000%	82.500000%	
	Sec. 22: W/2		ORRI	5.000000%	5.000000%	
	Sec. 27: NW/4					
	Sec. 28: N/2					
TRACT 15-A						
SF 078640	T-27-N, R-7-W	640.00	Royalty	12.500000%	12.500000%	3.209370%
	Sec. 6: Lots 3,4,5,6,7, SE/4 NW/4, E/2 SW/4		Working Interest			
	Sec. 7: E/2		El Paso Natural Gas Co.	84.000000%	84.000000%	
			ORRI	3.500000%	3.500000%	
	TOTAL			100.000000%	100.000000%	
TRACT 16						

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 17						
SF 078835-A	T-27-N, R-7-W	640.86	Royalty	12.500000%	12.500000%	3.212679%
	Sec. 6: Lots 1,2,		Working Interest	67.000000%	67.000000%	
	S/2 NE/4, SE/4		El Paso Natural Gas Co.	20.500000%	20.500000%	
	Sec. 7: Lots 1,2,3,		ORRI	100.000000%	100.000000%	
	4, E/2 W/2		TOTAL	100.000000%		
TRACT 18						
SF 078840	T-27-N, R-7-W	320.36	Royalty	12.500000%	12.500000%	1.605988%
	Sec. 18: Lots 1,2,3,4,		Working Interest	67.000000%	67.000000%	
	E/2 W/2		El Paso Natural Gas Co.	20.500000%	20.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
TRACT 18-A						
SF 078840	T-27-N, R-7-W	641.15	Royalty	12.500000%	12.500000%	3.214132%
	Sec. 19: Lots 1,2,3,4,		Working Interest	67.000000%	67.000000%	
	E/2 W/2, E/2 (A11)		El Paso Natural Gas Co.	20.500000%	20.500000%	
			ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		
TRACT 19						
SF 078972	T-27-N, R-7-W	1,600.00	Royalty	12.500000%	12.500000%	8.020919%
	Sec. 3: S/2		Working Interest	70.000000%	70.000000%	
	Sec. 10: A11		El Paso Natural Gas Co.	17.500000%	17.500000%	
	Sec. 11: A11		ORRI	100.000000%	100.000000%	
			TOTAL	100.000000%		

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 20</u>						
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty Working Interest El Paso Natural Gas Co. Waymon G. Peavy Margaret Hotchkiss, Ancillary Admin. of the Est. of A. Harvey Arant, Dec'd. & Ancillary Guardian of Lylla Arant ORRI	12.500000%	12.500000%	1.604184%
				66.667000%	66.667000%	
				6.666000%	6.666000%	
			TOTAL	6.667000%	6.667000%	
				7.500000%	7.500000%	
				100.000000%	100.000000%	
<u>TRACT 21</u>						
SF 079289	T-28-N, R-7-W Sec. 10: Lots 1,2,3,4 S/2 S/2 (All) Sec. 15: E/2 Sec. 22: N/2 NW/4	696.08	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	3.489501%
				69.000000%	69.000000%	
				18.500000%	18.500000%	
			TOTAL	100.000000%	100.000000%	
<u>TRACT 22</u>						
SF 079289-A	T-28-N, R-7-W Sec. 11: Lots 1,2,3,4 S/2 S/2 (All) Sec. 15: W/2 Sec. 22: E/2	932.80	Royalty Working Interest El Paso Natural Gas Co. Thelma Ford Simmons, Indiv. and as Independent Executrix of the Est. of D. J. Simmons	12.500000%	12.500000%	4.676196%
				52.500000%	52.500000%	
			TOTAL	35.000000%	35.000000%	
				100.000000%	100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079290			<u>TRACT 23</u>			
	<u>T-28-N, R-7-W</u>	320.00	Royalty	12.500000%	12.500000%	1.604184%
	<u>Sec. 13: E/2</u>		Working Interest	69.000000%	69.000000%	
			El Paso Natural Gas Co.	18.500000%	18.500000%	
			ORRI	100.000000%	100.000000%	
SF 079298-B			<u>TRACT 26</u>			
	<u>T-27-N, R-7-W</u>	640.00	Royalty	12.500000%	12.500000%	3.208367%
	<u>Sec. 12: All</u>		Working Interest	81.500000%	81.500000%	
			El Paso Natural Gas Co.	6.000000%	6.000000%	
			ORRI	100.000000%	100.000000%	
E 290-28			<u>TRACT 28</u>			
	<u>T-27-N, R-7-W</u>	238.96	Royalty	12.500000%	12.500000%	1.197924%
	<u>Sec. 2: Lots 3,4, SW/4</u>		Working Interest	82.500000%	82.500000%	
			El Paso Natural Gas Co.	5.000000%	5.000000%	
			ORRI	100.000000%	100.000000%	
E 290-33			<u>TRACT 31</u>			
	<u>T-27-N, R-7-W</u>	80.00	Royalty	12.500000%	12.500000%	0.401046%
	<u>Sec. 2: S/2 NW/4</u>		Working Interest	75.000000%	75.000000%	
			El Paso Natural Gas Co.	12.500000%	12.500000%	
			ORRI	100.000000%	100.000000%	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	0.200523%
				83.500000%	83.500000%	
				4.000000%	4.000000%	
				100.000000%	100.000000%	
				TRACT 32		
E 4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	Royalty Working Interest El Paso Natural Gas Co. ORRI	12.500000%	12.500000%	0.200523%
				82.500000%	82.500000%	
				5.000000%	5.000000%	
				100.000000%	100.000000%	
				TRACT 33		
E 4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	Royalty Working Interest El Paso Natural Gas Co. *Mesa Petroleum Co. ORRI	12.500000%	12.500000%	0.200523%
				50.700000%	50.700000%	
				33.800000%*	33.800000%*	
				3.000000%	3.000000%	
				100.000000%	100.000000%	
				TRACT 34		
E 2825-6	T-27-N, R-7-W Sec. 16: SE/4 NW/4, SW/4, E/2	520.00	Royalty Working Interest El Paso Natural Gas Co. *Mesa Petroleum Co. ORRI	12.500000%	12.500000%	2.606799%
				49.500000%	49.500000%	
				33.000000%*	33.000000%*	
				5.000000%	5.000000%	
				100.000000%	100.000000%	
				TRACT 35		

*During periods of
payout, Mesa's
Working Interest
converts to a
12.5% ORRI

SCHEDULE XXXIII
 THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
 SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMM. TTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
			<u>TRACT 36</u>			
	T-28-N, R-7-W	236.46	Royalty	12.5000008	12.5000008	1.1853918
	Sec. 28: W/2 NE/4,		Working Interest	87.5000008	87.5000008	
	SE/4 NE/4		El Paso Natural Gas Co.	0.0000008	0.0000008	
	Sec. 30: Lot 4, E/2		ORRI			
	SW/4			<u>100.0000008</u>	<u>100.0000008</u>	
			TOTAL			

Effective June 1, 1981

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 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 28 North, Range 7 West, N.M.P.M.
Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
Section 8: Lots 1,2,3,4, S/2 S/2
Section 9: Lots 1,2,3,4, S/2 S/2
Section 10: Lots 1,2,3,4, S/2 S/2 (A11)
Section 11: Lots 1,2,3,4, S/2 S/2
Section 15, 17, 35: W/2
Section 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
Section 13, 15, 28, 33: E/2
Section 22, 27, 34: A11
Section 30: Lots 1,2,3,4, E/2 W/2
Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4,
NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
Section 17, 20: E/2
Section 2, 15, 18, 22: W/2
Section 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: A11
Section 20: SW/4, S/2 NW/4, N/2 NW/4
Section 27: NW/4
Section 28: N/2

Total Number of Acres in Participating Area:	19,947.84
Total Number of Acres Committed to Participating Area:	19,947.84
Percent of Basic Royalty Committed:	100.000000%
Percent of Working Interest Committed:	100.000000%
Percent of ORRI Committed:	100.000000%



IN REPLY
REFER TO:

United States Department of the Interior

MINERALS MANAGEMENT SERVICE
SOUTH CENTRAL REGION
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102

03 AUG 1982

445

El Paso Exploration Company
Attention: James R. Permenter
P. O. Box 1492
El Paso, TX 79978

Gentlemen:

Enclosed are three copies of the twenty-seventh and twenty-eighth revisions to the Pictured Cliffs Participating Area and Notice of Completion of Additional Well, San Juan 28-7 Unit, Rio Arriba County, New Mexico. The revisions are hereby accepted for record on this date. Due to the terms of the unit agreement, the twenty-seventh revision will be effective as of November 1, 1979, not October 1, 1979, as stated in your letter and the twenty-eighth revision will be effective as of July 1, 1980.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

CC:
Commissioner of Public Lands
NMOCD ✓



IN REPLY
REFER TO:

United States Department of the Interior

MINERALS MANAGEMENT SERVICE

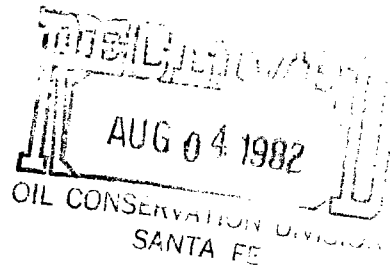
SOUTH CENTRAL REGION

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

1982

445

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



Gentlemen:

Enclosed are three copies of the twenty-ninth revision to the Pictured Cliffs Participating Area and thirty-eighth revision to the Mesaverde Participating Area, San Juan 28-7 Unit, Rio Arriba County, New Mexico. The revisions are hereby accepted for record on this date and will be effective as of August 1, 1980.

Sincerely yours,

JOHN F. DANIEL

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosures

cc:
Comm. of Public Lands
NMOCD



United States Department of the Interior

OFFICE OF THE SECRETARY

Minerals Management Service South Central Region

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

El Paso Exploration Company
Attention: D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1982 plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill no new wells during 1982, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility might exist of drainage by wells outside of the unit boundary. You will be contacted by our Development Unit about this possibility.

Sincerely yours,

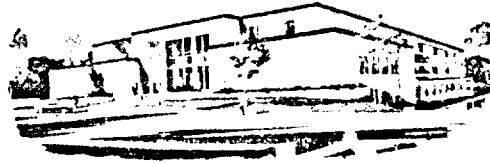
Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosures

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

MAY 21 1982

State of New Mexico



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

April 28, 1982

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501
87504-1148

El Paso Exploration Company
P. O. Box 1492
El Paso Texas 79978

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1982 Drilling Program

4192

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1982 Drilling Program for the San Juan 28-7 Unit Agreement, Rio Arriba County, New Mexico. Such plan proposes no further drilling during the calendar year of 1982. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the United States Minerals Management Service.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm
cc:

OCD-Santa Fe, New Mexico
USMMS-Albuquerque, New Mexico
Administration

El Paso EXPLORATION
COMPANY

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

APR 14 1982
OIL CON
SANTA FE

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1982 Drilling Program

Gentlemen:

By letter dated November 11, 1980, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1981, providing for the drilling of two (2) Pictured Cliffs wells, nine (9) Dakota wells and two (2) Pictured Cliffs/Mesaverde wells.

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs	40
Mesaverde	60
Dual PC/MV	36
Dual PC/Chacra	15
Dual MV/DK	2
Dakota	104
Chacra	9
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Non-Commercial Dakota	1
Plugged and Abandoned	2
Dual PC/Chacra (Chacra- Non-Commercial	1
	<u>276</u>

Regulatory Agencies

Page 2

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year 1982.

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 as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY



D. N. Canfield
Attorney-in-Fact 

DNC:VLG:jec
Attachments
S.J. 28-7 Unit, 3.0

APPROVED: _____
Area Oil and Gas Supervisor
United States Geological Survey
(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
United States Geological Survey
& the Oil Conservation Division)

DATED: _____

APPROVED: W. Ray Pearce
Oil Conservation Division
(Subject to like approval by the
United States Geological Survey
& the Commissioner of Public Lands)

DATED: 6/03/82

The foregoing approvals are for the 1982 Drilling Program for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

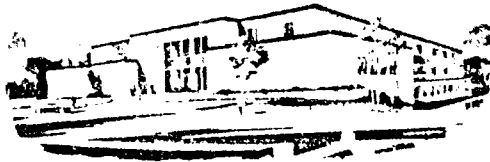
John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

State of New Mexico



Commissioner of Public Lands

March 17, 1982

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Exploration Co.
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
TWENTY-NINTH AND THIRTY-EIGHTH
EXPANDED PARTICIPATING AREAS
Pictured Cliffs and Mesaverde
Formations, Effective August 1, 1980
& NOTICE OF COMPLETION OF ADDITIONAL WELLS

ATTENTION: Mr. James R. Permenter

Gentlemen:

This will acknowledge receipt of your letter of March 12, 1982, together with three copies of the Twenty-Ninth and Thirty-Eighth Expanded Participating areas for the Pictured Cliffs and Mesaverde Formations along with your Notice of Completion of Additional Wells. The effective date for this Participating Area is August 1, 1980.

Inasmuch as this needs no official approval the Commissioner of Public Lands accepts these instruments for record purposes and has this date been filed in the unit file.

Enclosed is one copy reflecting the date this was received in our office.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

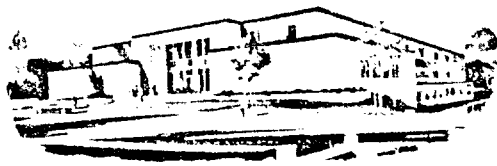
BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm
encls.
cc:

OCD-Santa Fe, New Mexico
USMMS-Albuquerque, New Mexico

445

State of New Mexico



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

March 17, 1982

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Exploration Co.
P. O. Box 1492
El Paso, Texas 79978

495

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
TWENTY-SEVENTH AND TWENTY-EIGHTH
EXPANDED PARTICIPATING AREAS
Pictured Cliffs Formation and
NOTICE OF COMPLETION OF ADDITIONAL WELLS

ATTENTION: Mr. James R. Permenter

Gentlemen:

This will acknowledge receipt of your letter of March 12, 1982, together with three copies of the Twenty-Seventh and Twenty-Eighth Expanded Participating Areas for the Pictured Cliffs Formation along with your Notice of Completion of Additional Wells. The effective date for these Participating Areas is October 1, 1979 and July 1, 1980.

Inasmuch as this needs no official approval, the Commissioner of Public Lands accepts these instruments for record purposes and have this date been filed in the unit file.

Enclosed is one copy reflecting the date this was received in this office.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm
encls.

cc: OCD-Santa Fe, New Mexico
USMMS-Albuquerque, New Mexico

El Paso
Exploration Company

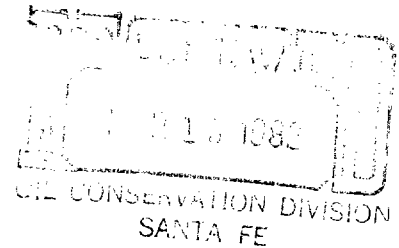
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

March 12, 1982

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

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 28-7 Unit
#14-08-001-459, Rio Arriba
County, New Mexico
TWENTY-NINTH AND THIRTY-EIGHTH
EXPANDED PARTICIPATING AREAS
Pictured Cliffs and Mesaverde
Formations, Effective
August 1, 1980 respectively and
NOTICE OF COMPLETION OF ADDITIONAL WELLS

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) well capable of producing unitized substances in paying quantities from the Pictured Cliffs and Mesaverde formations have been completed upon acreage committed to this Unit. The Participating Area for the Pictured Cliffs and Mesaverde formations is expanded accordingly to include this well as follows:

The San Juan 28-7 Unit #12A Well, located 880' from the North line and 1730' from the West line of Section 17, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 11, 1980, and completed on July 23, 1980, at a plugged back depth of 5919'. The Pictured Cliffs formation at the selected intervals between 3292' and 3340' was treated with a sand-water fracturing process on June 17, 1980. The well was shut-in on June 24,

1980, and after being shut-in for thirty (30) days, the Pictured Cliffs formation was tested on July 23, 1980, using the Pitot tube method with an after frac guage of 2383 MCF/D, with an SIPC of 1020 psia and an SIPT of 1020 psia. The Mesaverde formation at the selected intervals between 4918' and 5879' was treated with a sand-water fracturing process on June 15, 1980. The well was shut-in on June 24, 1980, and after being shut-in for seventeen (17) days, the Mesaverde formation was tested on July 10, 1980, using the Pitot tube method with an after frac guage of 5251 MCF/D, with an SIPC of 0 psia and an SIPT of 955 psia. The spacing unit for this well is described as the W/2 of Section 17, Township 28 North, Range 7 West, N.M.P.M., containing 320.00 acres.

The drilling block for the #12A well is included in the San Juan 28-7 Unit Twenty-Ninth Expanded Participating Area of the Pictured Cliffs formation, effective August 1, 1980. Also the #12A well is included in the San Juan 28-7 Unit Thirty-Eighth Expanded Participating Area of the Mesaverde formation; effective August 1, 1980.

Attached hereto are Schedules XXX and XXXIX showing the Twenty-Ninth and Thirty-Eighth Expanded Participating Area for the Pictured Cliffs and Mesaverde formations of the San Juan 28-7 Unit Area. This describes the Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, these Expanded Participating Areas will become effective as of August 1, 1980, respectively.

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

Very truly yours,



James R. Permenter
Director, Land Administration
Land Department

JRP:VLG:jec
Attachments
SJ 28-7, 4.1

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

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

SCHEDULE XXX
TWENTY-NINTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM-03521	T-27-N, R-7-W	280.00				
	Sec. 20: SW/4, S/2 NW/4, NE/4 NW/4					
	Royalty;			12.500000%	12.500000%	
	Working Interest:			64.625000%	64.625000%	
	El Paso Natural Gas Co.;			22.875000%	22.875000%	
	ORRI;			100.000000%	100.000000%	
	TOTAL			100.000000%	100.000000%	
						<u>1.545656%</u>
NM-03560	T-27-N, R-7-W	1281.44				
	Sec. 29: A11					
	Sec. 30: A11					
	Royalty;			12.500000%	12.500000%	
	Working Interest:			63.125000%	63.125000%	
	El Paso Natural Gas Co.;			24.375000%	24.375000%	
	ORRI;			100.000000%	100.000000%	
	TOTAL			100.000000%	100.000000%	
						<u>7.073807%</u>
SF-078417	T-28-N, R-7-W	760.00				
	Sec. 7: S/2 SE/4, SE/4 SW/4					
	Sec. 17: W/2					
	Sec. 18: E/2					
	Royalty;			12.500000%	12.500000%	
	Working Interest:			84.500000%	84.500000%	
	El Paso Natural Gas Co.;			3.000000%	3.000000%	
	ORRI;			100.000000%	100.000000%	
	TOTAL			100.000000%	100.000000%	
						<u>4.195353%</u>
SF-078417-A	T-28-N, R-7-W	320.00				
	Sec. 18: E/2 NW/4					
	Sec. 22: S/2 NW/4, SW/4					
	Royalty;			12.500000%	12.500000%	
	Working Interest:			83.500000%	83.500000%	
	El Paso Natural Gas Co.;			4.000000%	4.000000%	
	ORRI;			100.000000%	100.000000%	
	TOTAL			100.000000%	100.000000%	
						<u>1.766465%</u>

SCHEDULE XXX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 078496	T-27-N, R-7-W	1362.24					
	Sec. 3: N/2		Royalty:	12.500000%	12.500000%		
	Sec. 5: Lots 1, 2, S/2 NE/4		Working Interest:				
			El Paso Natural Gas Co.:	84.500000%	84.500000%		
			ORRI:	3.000000%	3.000000%		
	T-28-N, R-7-W						
	Sec. 27: SE/4, E/2 NE/4						
	Sec. 34: Lots 3, 4, N/2 SW/4, NW/4						
	Sec. 35: Lots 3, 4, N/2 SW/4, NW/4						
	TOTAL			100.000000%	100.000000%		
TRACT 5						7.519840%	
SF 078496-A	T-27-N, R-7-W	641.83					
	Sec. 4: N/2		Royalty:	12.500000%	12.500000%		
	T-28-N, R-7-W		Working Interest:				
	Sec. 34: Lots 1, 2, N/2 SE/4, NE/4		El Paso Natural Gas Co.:	83.500000%	83.500000%		
			ORRI:	4.000000%	4.000000%		
	TOTAL			100.000000%	100.000000%		
	TRACT 6						3.543031%
	SF 078497	T-28-N, R-7-W	695.52				
		Sec. 7: Lots 1, 2, 3, 4, 5		Royalty:	12.500000%	12.500000%	
		Sec. 19: E/2, Lot 1, E/2 W/2		Working Interest:			
			El Paso Natural Gas Co.:	84.500000%	84.500000%		
			ORRI:	3.000000%	3.000000%		
TOTAL				100.000000%	100.000000%		
TRACT 7						3.839411%	
SF 078497-A		T-28-N, R-7-W	224.76				
		Sec. 18: Lots 1, 2, 3, 4, E/2 SW/4		Royalty:	12.500000%	12.500000%	
				Working Interest:			
			El Paso Natural Gas Co.:	83.500000%	83.500000%		
			ORRI:	4.000000%	4.000000%		
	TOTAL			100.000000%	100.000000%		
	TRACT 8						1.240721%

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078498	<u>T-28-N, R-7-W</u> Sec. 27: W/2 NE/4, W/2 Sec. 33: Lots 1, 2, N/2 SE/4, NE/4	716.32	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	<u>3.954231%</u>
	TOTAL			100.000000%	
					<u>1.104040%</u>
SF 078498-A	<u>T-28-N, R-7-W</u> Sec. 28: SE/4, NE/4 NE/4	200.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	
	TOTAL			100.000000%	
					<u>3.120901%</u>
SF 078500-A	<u>T-28-N, R-7-W</u> Sec. 19: Lots 2, 3, 4 Sec. 31: Lots 1, 2, 3, 4, 5, 6, 7, N/2 SE/4, E/2 NW/4, NE/4 SW/4	565.36	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	
	TOTAL			100.000000%	
					<u>1.044974%</u>
SF 078500	<u>T-28-N, R-7-W</u> Sec. 30: Lots 1, 2, 3, E/2 NW/4	189.30	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000%	
	TOTAL			100.000000%	
					<u>1.044974%</u>

SCHEDULE XXX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078565	T-27-N, R-7-W Sec. 5: SE/4 Sec. 8: NW/4	320.00	<u>TRACT 11</u>			<u>1.766465%</u>
	Royalty:			12.500000%	12.500000%	
	Working Interest:			69.000000%	69.000000%	
	El Paso Natural Gas Co.:			18.500000%	18.500000%	
	ORRI:			<u>100.000000%</u>	<u>100.000000%</u>	
	TOTAL					
SF 078565-A	T-27-N, R-7-W Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	320.52	<u>TRACT 12</u>			<u>1.769335%</u>
	Royalty:			12.500000%	12.500000%	
	Working Interest:			86.500000%	86.500000%	
	El Paso Natural Gas Co.:			1.000000%	1.000000%	
	ORRI:			<u>100.000000%</u>	<u>100.000000%</u>	
	TOTAL					
SF 078569	T-27-N, R-7-W Sec. 8: SW/4, NE/4	320.00	<u>TRACT 13</u>			<u>1.766465%</u>
	Royalty:			12.500000%	12.500000%	
	Working Interest:			82.500000%	82.500000%	
	El Paso Natural Gas Co.:			5.000000%	5.000000%	
	ORRI:			<u>100.000000%</u>	<u>100.000000%</u>	
	TOTAL					
SF 078570	T-27-N, R-7-W Sec. 4: S/2 Sec. 8: SE/4 Sec. 9: NW/4	640.00	<u>TRACT 14</u>			<u>3.532929%</u>
	Royalty:			12.500000%	12.500000%	
	Working Interest:			80.500000%	80.500000%	
	Tenneco Oil Company:			7.000000%	7.000000%	
	ORRI:			<u>100.000000%</u>	<u>100.000000%</u>	
	TOTAL					

SCHEDULE XXX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078640	T-27-N, R-7-W Sec. 9: SW/4 Sec. 15: W/2 Sec. 17: E/2	800.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	<u>4.416161%</u>
			TOTAL			
			TRACT 15			
SF 078640	T-27-N, R-7-W Sec. 20: E/2 Sec. 21: All Sec. 22: W/2 Sec. 27: NW/4 Sec. 28: N/2	1760.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	<u>9.715555%</u>
			TOTAL			
			TRACT 15-A			
SF 078835	T-27-N, R-7-W Sec. 6: Lots 3, 4, 5, 6, 7, SE/4 NW/4, E/2 SW/4 Sec. 7: E/2	640.20	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 84.000000% 3.500000% 100.000000%	12.500000% 84.000000% 3.500000% 100.000000%	<u>3.534033%</u>
			TOTAL			
			TRACT 16			
SF 078835-A	T-27-N, R-7-W Sec. 6: Lots 1, 2, S/2 NE/4, SE/4 Sec. 7: Lots 1, 2, 3, 4, E/2 W/2	640.86	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 67.000000% 20.500000% 100.000000%	12.500000% 67.000000% 20.500000% 100.000000%	<u>3.537676%</u>
			TOTAL			
			TRACT 17			

SCHEDULE XXX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 078840	T-27-N, R-7-W Sec. 18: Lots 1, 2, 3, 4, E/2 W/2	320.36	Royalty;	12.500000%	12.500000%	<u>1.768453%</u>	
			Working Interest;	67.000000%	67.000000%		
			El Paso Natural Gas Co.;	20.500000%	20.500000%		
			ORRI;	100.000000%	100.000000%		
			TOTAL	100.000000%			
			TRACT 18				
			TRACT 18-A				
			TRACT 18-A				
			TRACT 18-A				
			TRACT 18-A				
SF 078840	T-27-N, R-7-W Sec. 19: Lots 1, 2, 3, 4, E/2 W/2, E/2 (A11)	641.15	Royalty;	12.500000%	12.500000%	<u>3.539277%</u>	
			Working Interest;	67.000000%	67.000000%		
			El Paso Natural Gas Co.;	20.500000%	20.500000%		
			ORRI;	100.000000%	100.000000%		
			TOTAL	100.000000%			
			TRACT 19				
			TRACT 19				
			TRACT 19				
			TRACT 19				
			TRACT 19				
SF 078972	T-27-N, R-7-W Sec. 3: S/2 Sec. 10: A11 Sec. 11: A11	1600.00	Royalty;	12.500000%	12.500000%	<u>8.832323%</u>	
			Working Interest;	70.000000%	70.000000%		
			El Paso Natural Gas Co.;	17.500000%	17.500000%		
			ORRI;	100.000000%	100.000000%		
			TOTAL	100.000000%			
			TRACT 20				
			TRACT 20				
			TRACT 20				
			TRACT 20				
			TRACT 20				
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty;	12.500000%	12.500000%	<u>1.766465%</u>	
			Working Interest;	66.667000%	66.667000%		
			El Paso Natural Gas Co.;	6.666000%	6.666000%		
			Waymon G. Peavy;				
			Margaret Hotchkiss, Ancillary				
			Admin. of the Est. of A. Harvey				
			Arant, Dec'd. & Ancillary				
			Guardian of Lylla Arant;				
			ORRI;				
			TOTAL	100.000000%			

SCHEDULE XXX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079289	<u>T-28-N, R-7-W</u> Sec. 22: N/2 NW/4	80.00	<u>TRACT 21</u>			<u>0.441616%</u>
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			69.000000%	69.000000%	
	ORRI;			18.500000%	18.500000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 22</u>			<u>3.532929%</u>
SF 079289-A	<u>T-28-N, R-7-W</u> Sec. 15: W/2 Sec. 22: E/2	640.00				
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			52.500000%	52.500000%	
	Thelma Ford Simmons, Indlv. and as Independent Executrix of the Est. of D. J. Simmons			35.000000%	35.000000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 26</u>			<u>3.532929%</u>
SF 079298-B	<u>T-27-N, R-7-W</u> Sec. 12: All	640.00				
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			81.500000%	81.500000%	
	ORRI;			6.000000%	6.000000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 28</u>			<u>1.319107%</u>
E-290-28	<u>T-27-N, R-7-W</u> Sec. 2: Lots 3, 4, SW/4	238.96				
	Royalty;			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.;			82.500000%	82.500000%	
	ORRI;			5.000000%	5.000000%	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE XXX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E-290-33	<u>T-27-N, R-7-W</u> Sec. 2: S/2 NW/4	80.00	<u>TRACT 31</u> Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL	12.500000%	12.500000%	<u>0.441616%</u>
				75.000000%	75.000000%	
				12.500000%	12.500000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
E-4425-25	<u>T-27-N, R-7-W</u> Sec. 16: NW/4 NW/4	40.00	<u>TRACT 32</u> Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL	12.500000%	12.500000%	<u>0.220808%</u>
				83.500000%	83.500000%	
				4.000000%	4.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
E-4425-48	<u>T-27-N, R-7-W</u> Sec. 16: NE/4 NW/4	40.00	<u>TRACT 33</u> Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL	12.500000%	12.500000%	<u>0.220808%</u>
				82.500000%	82.500000%	
				5.000000%	5.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
E-4425-46	<u>T-27-N, R-7-W</u> Sec. 16: SW/4 NW/4	40.00	<u>TRACT 34</u> Royalty; Working Interest; El Paso Natural Gas Co.; *Mesa Petroleum Co.; ORRI; TOTAL	12.500000%	12.500000%	<u>0.220808%</u>
				50.700000%	50.700000%	
				33.800000%*	33.800000%*	
				3.000000%	3.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	

*During periods of payout,
Mesa's Working Interest
converts to a 12.5% ORRI

SCHEDULE XXX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E-2825-6	<u>T-27-N, R-7-W</u>		<u>TRACT 35</u>			<u>2.870505%</u>
	520.00					
	<u>Sec. 16: SE/4 NW/4,</u>	Royalty;	12.500000%	12.500000%		
	SW/4, E/2	Working Interest:				
		El Paso Natural Gas Co.;	49.500000%	49.500000%		
		Mesa Petroleum Co.;	33.000000%	33.000000%*		
		ORRI;	5.000000%	5.000000%		
		TOTAL	<u>100.000000%</u>	<u>100.000000%</u>		
Fee	<u>T-28-N, R-7-W</u>		<u>TRACT 36</u>			<u>1.305307%</u>
	236.46					
	<u>Sec. 28: W/2 NE/4,</u>	Royalty;	12.500000%	12.500000%		
	SE/4 NE/4	Working Interest:				
	Sec. 30: Lot 4, E/2 SW/4	El Paso Natural Gas Co.;	87.500000%	87.500000%		
		ORRI;	.000000%	.000000%		
		TOTAL	<u>100.000000%</u>	<u>100.000000%</u>		

SCHEDULE XXX

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 28 North, Range 7 West, N.M.P.M.
 Section 7: Lots 1, 2, 3, 4, 5, SE/4 SW/4, S/2 SE/4
 Sections 15, 17, 35: W/2
 Sections 18, 19: Lots 1, 2, 3, 4, E/2 W/2, E/2 (All)
 Sections 28, 33: E/2
 Sections 22, 27, 34: All
 Section 30: Lots 1, 2, 3, 4, E/2 W/2
 Section 31: Lots 1, 2, 3, 4, 5, 6, 7,
 E/2 NW/4, NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.
 Sections 17, 20: E/2
 Sections 2, 15, 18, 22: W/2
 Sections 3, 4, 5, 6, 7, 8, 9, 10,
 11, 12, 16, 19, 21, 29, 30: All
 Section 20: SW/4, S/2 NW/4, N/4 NW/4
 Section 27: NW/4
 Section 28: N/2

Total Number of Acres in Participating Area: 18,115.28
 Total Number of Acres Committed to Participating Area: 18,115.28

Percent of Basic Royalty Committed: 100.000000%
 Percent of Working Interest Committed: 100.000000%
 Percent of ORRI Committed: 100.000000%

SCHEDULE XXXIX
THIRTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03560	T-27-N, R-7-W	320.00	TRACT 2			
	Sec. 29: E/2					
	Royalty:			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.:			63.125000%	63.125000%	
	ORRI:			24.375000%	24.375000%	
	TOTAL			100.000000%	100.000000%	
						1.277527%
SF 078417	T-28-N, R-7-W	2120.00	TRACT 3			
	Sec. 7: S/2 SE/4, SE/4 S/4					
	Royalty:			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.:			84.500000%	84.500000%	
	ORRI:			3.000000%	3.000000%	
	Sec. 8: S/2 SW/4					
	Sec. 16: SW/4, SE/4					
	Sec. 17: E/2, NW/4, NE/4 SW/4, S/2 SW/4					
	Sec. 18: E/2					
SF 078417-A	Sec. 20: NE/4	320.00	TRACT 4			
	Sec. 21: NW/4, N/2 SW/4, NE/4, N/2 SE/4, SE/4					
	Royalty:			12.500000%	12.500000%	
	Working Interest:					
	El Paso Natural Gas Co.:			83.500000%	83.500000%	
	ORRI:			4.000000%	4.000000%	
	TOTAL			100.000000%	100.000000%	
						1.277527%

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
				PERCENTAGE COMMITTED	
SF 078496	T-27-N, R-7-W Sec. 3: Lots 1, 2, 3, 4, S/2 NE/4, S/2 NW/4 Sec. 5: Lots 1, 2, S/2 NE/4 T-28-N, R-7-W Sec. 27: SE/4, E/2 NE/4 Sec. 34: Lots 3, 4, N/2 SW/4, NW/4 Sec. 35: Lots 1, 2, 3, 4, N/2 SE/4, NE/4, N/2 SW/4, NW/4	1689.94	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	6.746701%
	TOTAL			100.000000%	
	TRACT 5				3.201124%
SF 078496-A	T-27-N, R-7-W Sec. 4: Lots 1, 2, 3, 4, S/2 NE/4, S/2 NW/4 T-28-N, R-7-W Sec. 26: SW/4 Sec. 34: Lots 1, 2, N/2 SE/4, NE/4	801.83	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000%	3.201124%
	TOTAL			100.000000%	
	TRACT 6				6.545570%
SF 078497	T-28-N, R-7-W Sec. 7: Lots 1, 2, 3, 4, 5 Sec. 8: Lots 1, 2, 3, 4, S/2 SE/4 Sec. 16: NW/4, NE/4 Sec. 19: Lot 1, E/2 W/2, E/2 Sec. 20: N/2 SE/4	1639.56	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	6.545570%
	TOTAL			100.000000%	
	TRACT 7				
	TOTAL			100.000000%	

Effective 8-1-80

SCHEDULE XXXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078500	<u>T-28-N, R-7-W</u> Sec. 30: Lots 1, 2, 3, E/2 NW/4	189.30	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000% 100.000000%	12.500000% 83.500000% 4.000000% 100.000000%	<u>.755737%</u>
			<u>TRACT 10-A</u>			
			TOTAL			
SF 078565	<u>T-27-N, R-7-W</u> Sec. 5: Se/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 69.000000% 18.500000% 100.000000%	12.500000% 69.000000% 18.500000% 100.000000%	<u>.638764%</u>
			<u>TRACT 11</u>			
			TOTAL			
SF 078565-A	<u>T-27-N, R-7-W</u> Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	320.52	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 86.500000% 1.000000% 100.000000%	12.500000% 86.500000% 1.000000% 100.000000%	<u>1.279603%</u>
			<u>TRACT 12</u>			
			TOTAL			
SF 078569	<u>T-27-N, R-7-W</u> Sec. 8: NE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	<u>.638764%</u>
			<u>TRACT 13</u>			
			TOTAL			

SCHEDULE XXXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078570	T-27-N, R-7-W Sec. 4: SE/4, SW/4 Sec. 8: SE/4 Sec. 9: NW/4	640.00	Royalty; Working Interest; Tennessee Gas Transmission Co.;; ORRI;	12.500000% 80.500000% 7.000000% 100.000000%	12.500000% 80.500000% 7.000000% 100.000000%	<u>2.555054%</u>
			<u>TRACT 14</u>			
			TOTAL			
SF 078640	T-27-N, R-7-W Sec. 9: SW/4 Sec. 15: W/2	480.00	Royalty; Working Interest; El Paso Natural Gas Co.;; ORRI;	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	<u>1.916291%</u>
			<u>TRACT 15</u>			
			TOTAL			
SF 078835-A	T-27-N, R-7-W Sec. 6: Lots 1, 2, S/2 NE/4, SE/4 Sec. 7: Lots 1, 2, 3, 4, E/2 W/2	640.86	Royalty; Working Interest; El Paso Natural Gas Co.;; ORRI;	12.500000% 67.000000% 20.500000% 100.000000%	12.500000% 67.000000% 20.500000% 100.000000%	<u>2.558488%</u>
			<u>TRACT 17</u>			
			TOTAL			
SF 078840	T-27-N, R-7-W Sec. 18: Lots 1, 2, 3, 4, E/2 W/2 Sec. 19: E/2	640.36	Royalty; Working Interest; El Paso Natural Gas Co.;; ORRI;	12.500000% 67.000000% 20.500000% 100.000000%	12.500000% 67.000000% 20.500000% 100.000000%	<u>2.556492%</u>
			<u>TRACT 18</u>			
			TOTAL			

SCHEDULE XXXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078972	T-27-N, R-7-W Sec. 3: SE/4, SW/4 Sec. 10: E/2, W/2 Sec. 11: E/2, W/2	1600.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.500000%	12.500000%	6.387636%
			ORRI;	70.000000%	70.000000%	
			TOTAL	17.500000%	17.500000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 19			
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.500000%	12.500000%	1.277527%
			ORRI;	76.875000%	76.875000%	
			TOTAL	10.625000%	10.625000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 20			
SF 079289	T-28-N, R-7-W Sec. 10: Lots 1, 2, 3, 4, S/2 S/2 Sec. 12: Lots 1, 2, 3, 4, S/2 S/2 Sec. 14: E/2 Sec. 15: E/2 Sec. 22: N/2 NW/4	1304.48	Royalty; Working Interest; El Paso Natural Gas Co.;	12.500000%	12.500000%	5.207840%
			ORRI;	69.000000%	69.000000%	
			TOTAL	18.500000%	18.500000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 21			
SF 079289-A	T-28-N, R-7-W Sec. 11: Lots 1, 2, 3, 4, S/2 S/2 Sec. 14: W/2 Sec. 15: W/2 Sec. 22: E/2	1252.80	Royalty; Working Interest; El Paso Natural Gas Co.;	12.500000%	12.500000%	5.001519%
			ORRI;	75.000000%	75.000000%	
			TOTAL	12.500000%	12.500000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
			TRACT 22			

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
				PERCENTAGE COMMITTED	
SF 079290	T-28-N, R-7-W Sec. 13: E/2 Sec. 23: W/2 Sec. 24: W/2 Sec. 26: NW/4, NE/4	1280.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 69.000000% 18.500000%	5.110109%
			TOTAL	100.000000%	
					3.832582%
SF 079290-A	T-28-N, R-7-W Sec. 13: W/2 Sec. 23: E/2 Sec. 24: E/2	960.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 75.000000% 12.500000%	
			TOTAL	100.000000%	
					1.277527%
SF 079290-B	T-28-N, R-7-W Sec. 25: NW/4, NE/4	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 70.625000% 16.875000%	
			TOTAL	100.000000%	
					1.277527%

SCHEDULE XXXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079294	<u>T-28-N, R-7-W</u> Sec. 25: SW/4, SE/4	1136.88	<u>TRACT 25</u>			<u>4.538735%</u>
	Royalty;			12.500000%		
	Working Interest:			68.625000%		
	El Paso Natural Gas Co.;			18.875000%		
	ORRI;			<u>100.000000%</u>		
	TOTAL					
SF 079294	<u>T-28-N, R-7-W</u> Sec. 26: SE/4			12.500000%		
	Royalty;			12.500000%		
	Working Interest:			73.000000%		
	El Paso Natural Gas Co.;			14.500000%		
	ORRI;			<u>100.000000%</u>		
	TOTAL					
SF 079298-B	<u>T-27-N, R-7-W</u> Sec. 12: E/2, W/2	640.00	<u>TRACT 26</u>			<u>2.555054%</u>
	Royalty;			12.500000%		
	Working Interest:			81.500000%		
	El Paso Natural Gas Co.;			6.000000%		
	ORRI;			<u>100.000000%</u>		
	TOTAL					
SF 079321-A	<u>T-27-N, R-7-W</u> Sec. 1: Lots 1, 2, 3, 4, S/2 NE/4, SE/4 S/2 NW/4, SW/4	639.20	<u>TRACT 27</u>			<u>2.551861%</u>
	Royalty;			12.500000%		
	Working Interest:			81.500000%		
	El Paso Natural Gas Co.;			6.000000%		
	ORRI;			<u>100.000000%</u>		
	TOTAL					

SCHEDULE XXXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM E-290-28	<u>T-27-N, R-7-W</u> Sec. 2: <u>Lots 3, 4, SW/4</u> SW/4 SE/4	278.96				
	Royalty:			12.500000%		
	Working Interest:			82.500000%		
	El Paso Natural Gas Co.:			5.000000%		
	ORRI:			100.000000%		
	TOTAL					
						<u>1.113684%</u>
						<u>TRACT 28</u>
NM E-290-3	<u>T-27-N, R-7-W</u> Sec. 2: <u>Lot 2, SW/4 NE/4</u> NW/4 SE/4	119.54				
	Royalty:			12.500000%		
	Working Interest:			12.500000%		
	Southern Petroleum Exploration, Inc.			87.500000%		
	ORRI:			.000000%		
	TOTAL					
						<u>1.477236%</u>
						<u>TRACT 29</u>
NM E-290-28	<u>T-27-N, R-7-W</u> Sec. 2: <u>Lot 1, SE/4 NE/4</u> NE/4 SE/4	119.58				
	Royalty:			12.500000%		
	Working Interest:			87.500000%		
	El Paso Natural Gas Co.:			.000000%		
	ORRI:			100.000000%		
	TOTAL					
						<u>1.477396%</u>
						<u>TRACT 30</u>
NM E-290-33	<u>T-27-N, R-7-W</u> Sec. 2: <u>S/2 NW/4</u> SE/4 SE/4	120.00				
	Royalty:			12.500000%		
	Working Interest:			75.000000%		
	El Paso Natural Gas Co.:			12.500000%		
	ORRI:			100.000000%		
	TOTAL					
						<u>1.479073%</u>
						<u>TRACT 31</u>

SCHEDULE XXXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM E-2825-6	T-27-N, R-7-W Sec. 16: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	12.500000%	<u>1.277527%</u>
				70.000000%	70.000000%	
				17.500000%	17.500000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
			TOTAL			
			<u>TRACT 35</u>			
	T-28-N, R-7-W Sec. 28: S/2 NE/4, NW/4 NE/4 Sec. 30: Lot 4, E/2 SW/4	236.46	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	12.500000%	<u>.944013%</u>
				87.500000%	87.500000%	
				.000000%	.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
			TOTAL			
			<u>TRACT 36</u>			
	T-28-N, R-7-W Sec. 20: S/2 SE/4 Sec. 21: S/2 SW/4, SW/4 SE/4 Sec. 30: N/2 SE/4, SE/4 NE/4	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	12.500000%	<u>1.277527%</u>
				87.500000%	87.500000%	
				.000000%	.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
			TOTAL			
			<u>TRACT 36-A</u>			

SCHEDULE XXXIX

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 7 West, N.M.P.M.
Sections 1, 2, 3, 4, 5, 9, 10, 11, 12: All
Sections 6, 8, 16, 19, 29: E/2
Sections 7, 15, 18: W/2

Township 28 North, Range 7 West, N.M.P.M.
Sections 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,
18, 19, 20, 21, 22, 23, 24, 25, 26,
27, 28, 29, 30, 32, 33, 34, 35, 36: All
Section 17: E/2, NW/4, NE/4 SW/4, S/2 SW/4
Section 31: W/2

Total Number of Acres in Participating Area:	25,048.39
Percent of Basic Royalty Committed:	100.000000%
Percent of Working Interest Committed:	100.000000%
Percent of ORRI Committed:	100.000000%

El Paso
Exploration Company

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

March 12, 1982

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

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

RECEIVED
MARCH 12 1982
OIL CONSERVATION DIVISION
SANTA FE

425

Re: San Juan 28-7 Unit
#14-08-001-459, Rio Arriba
County, New Mexico
TWENTY-SEVENTH AND TWENTY-EIGHTH
EXPANDED PARTICIPATING AREAS
Pictured Cliffs Formation
Effective October 1, 1979 and
July 1, 1980, respectively and
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that two (2) additional wells capable of producing unitized substances in paying quantities from the Pictured Cliffs formation have been completed upon acreage committed to this Unit. The Participating Area for the Pictured Cliffs formation is expanded accordingly to include these wells as follows:

The San Juan 28-7 Unit #198 Well, located 1530' from the South line and 1010' from the East line of Section 12, Township 27 North, Range 7 West, N.M.P.M., was spudded on June 21, 1979, and completed on October 24, 1979, at a plugged back depth of 3390'. The Pictured Cliffs formation at the selected intervals between 3248' and 3330' was treated with a sand-water fracturing process on September 27, 1979. The well was shut-in on

September 27, 1979, and after being shut-in for twenty-seven (27) days, the Pictured Cliffs formation was tested on October 24, 1979, using the Pitot tube method with an after frac guage of 1587 MCF/D, with an SIPC of 1121 psia. The spacing unit for this well is described as the E/2 of Section 12, Township 27 North, Range 7 West, N.M.P.M., containing 320.00 acres.

The San Juan 28-7 Unit #32A Well, located 1120' from the North line and 1685' from the West line of Section 19, Township 28 North, Range 7 West, N.M.P.M., was spudded on April 11, 1980, and completed on June 26, 1980, at a plugged back depth of 5979'. The Pictured Cliffs formation at the selected intervals between 3342' and 3410' was treated with a sand-water fracturing process on June 8, 1980. The well was shut-in on June 12, 1980, and after being shut-in for fourteen (14) days, the Pictured Cliffs formation was tested on June 26, 1980, using the Pitot tube method with an after frac guage of 1478 MCF/D, with an SIPC of 878 psia and an SIPT of 879 psia. The Mesaverde formation at the selected intervals between 4970' and 5925' was treated with a sand-water fracturing process on June 4, 1980. The well was shut-in on June 12, 1980, and after being shut-in for seven (7) days, the Mesaverde formation was tested on June 19, 1980, using the Pitot tube method with an after frac guage of 5591 MCF/D, with an SIPC of 809 psia and an SIPT of 809 psia. The spacing unit for this well is described as the W/2 of Section 19, Township 28 North, Range 7 West, N.M.P.M., containing 305.44 acres.

The drilling block for the #198 well is included in the San Juan 28-7 Unit Twenty-Seventh Expanded Participating Area of the Pictured Cliffs formation, effective October 1, 1979. The drilling block for the #32A well is included in the San Juan 28-7 Unit Twenty-Eighth Expanded Participating Area of the Pictured Cliffs formation, effective July 1, 1980.

The Mesaverde formation of the #32A well has been completed on acreage already in the existing Mesaverde Participating Area. The completion of this well does not warrant any further expansion of the Mesaverde Participating Area.

In addition to the above, the completion of the #32A well creates two (2) intervening drilling blocks described as the W/2 of Section 18, T-28-N, R-7-W, and the W/2 of Section 30, T-28-N, R-7-W, which pursuant to the terms of the Unit Agreement must also be admitted to the Participating Area.

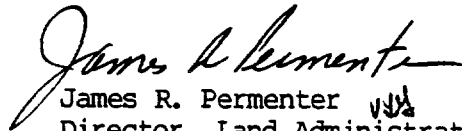
Attached hereto are Schedules XXVIII and XXIX showing the Twenty-Seventh and Twenty-Eighth Expanded Participating Areas for the Pictured Cliffs formation in the San Juan 28-7 Unit Area. These Schedules describe the Expanded Participating Areas, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentages allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, these Expanded Participating Areas will become effective as of October 1, 1979 and July 1, 1980 respectively.

Regulatory Agencies

Page 3

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

Very truly yours,


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

JRP:VLG:jec

Attachments

SJ 28-7, 4.1, 4.2.1

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

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company

SCHEDULE XXVIII
TWENTY-SEVENTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	T-27-N, R-7-W	280.00				
	Sec. 20: SW/4, S/2 NW/4, NE/4 NW/4					
	Royalty;			12.500000%		
	Working Interest:			12.500000%		
	El Paso Natural Gas Co.;			64.625000%		
	ORRI;			22.875000%		
	TOTAL			100.000000%		
						<u>1.658835%</u>
NM 03560	T-27-N, R-7-W	1281.44				
	Sec. 29: A11					
	Sec. 30: A11					
	Royalty;			12.500000%		
	Working Interest:			12.500000%		
	El Paso Natural Gas Co.;			63.125000%		
	ORRI;			24.375000%		
	TOTAL			100.000000%		
						<u>7.591775%</u>
SF 078417	T-28-N, R-7-W	440.00				
	Sec. 7: S/2 SE/4, SE/4 SW/4					
	Sec. 18: E/2					
	Royalty;			12.500000%		
	Working Interest:			12.500000%		
	El Paso Natural Gas Co.;			84.500000%		
	ORRI;			3.000000%		
	TOTAL			100.000000%		
						<u>2.606740%</u>
SF 078417-A	T-28-N, R-7-W	240.00				
	Sec. 22: S/2 NW/4, SW/4					
	Royalty;			12.500000%		
	Working Interest:			12.500000%		
	El Paso Natural Gas Co.;			83.500000%		
	ORRI;			4.000000%		
	TOTAL			100.000000%		
						<u>1.421858%</u>

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078496	T-27-N, R-7-W Sec. 3: N/2 Sec. 5: Lots 1, 2, S/2 NE/4 T-28-N, R-7-W Sec. 27: SE/4, E/2 NE/4 Sec. 34: Lots 3, 4, N/2 SW/4, NW/4 Sec. 35: Lots 3, 4, N/2 SW/4, NW/4	1362.24	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	12.500000% 84.500000% 3.000000%	8.070467%
			TRACT 5			
			TOTAL	100.000000%	100.000000%	
						3.802464%
SF 078496-A	T-27-N, R-7-W Sec. 4: N/2 T-28-N, R-7-W Sec. 34: Lot 1, 2, N/2 SE/4, NE/4	641.83	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000%	12.500000% 83.500000% 4.000000%	
			TOTAL	100.000000%	100.000000%	
						2.957524%
SF 078497	T-28-N, R-7-W Sec. 7: Lots 1, 2, 3, 4, 5 Sec. 19: E/2	499.21	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	12.500000% 84.500000% 3.000000%	
			TOTAL	100.000000%	100.000000%	
						4.243773%
SF 078498	T-28-N, R-7-W Sec. 27: W/2 NE/4, W/2 Sec. 33: Lots 1, 2, N/2 SE/4, NE/4	716.32	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000%	12.500000% 84.500000% 3.000000%	
			TOTAL	100.000000%	100.000000%	
						4.243773%

SCHEDULE XXVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078498-A	<u>T-28-N, R-7-W</u> Sec. 28: SE/4, NE/4 NE/4	200.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%	<u>1.184882%</u>
			<u>TRACT 9-A</u>			
			TOTAL			
SF 078500-A	<u>T-28-N, R-7-W</u> Sec. 31: Lots 1, 2, 3, 4, 5, 6, 7, N/2 SE/4, E/2 NW/4, NE/4 SW/4	456.23	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%	<u>2.702893%</u>
			<u>TRACT 10</u>			
			TOTAL			
SF 078565	<u>T-27-N, R-7-W</u> Sec. 5: SE/4 Sec. 8: NW/4	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 69.000000% 18.500000% 100.000000%	12.500000% 69.000000% 18.500000% 100.000000%	<u>1.895811%</u>
			<u>TRACT 11</u>			
			TOTAL			
SF 078565-A	<u>T-27-N, R-7-W</u> Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	320.52	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 86.500000% 1.000000% 100.000000%	12.500000% 86.500000% 1.000000% 100.000000%	<u>1.898892%</u>
			<u>TRACT 12</u>			
			TOTAL			

SCHEDULE XXVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078569	<u>T-27-N, R-7-W</u>	320.00				
	Sec. 8: SW/4, NE/4		Royalty;	12.500000%	12.500000%	<u>1.895811%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	82.500000%	82.500000%	
			ORRI;	5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
			<u>TRACT 13</u>			
SF 078570	<u>T-27-N, R-7-W</u>	640.00				
	Sec. 4: S/2		Royalty;	12.500000%	12.500000%	<u>3.791622%</u>
	Sec. 8: SE/4		Working Interest;			
	Sec. 9: NW/4		Tenneco Oil Company;	80.500000%	80.500000%	
			ORRI;	7.000000%	7.000000%	
	TOTAL			100.000000%	100.000000%	
			<u>TRACT 14</u>			
SF 078640	<u>T-27-N, R-7-W</u>	800.00				
	Sec. 9: SW/4		Royalty;	12.500000%	12.500000%	<u>4.739527%</u>
	Sec. 15: W/2		Working Interest;			
	Sec. 17: E/2		El Paso Natural Gas Co.;	82.500000%	82.500000%	
			ORRI;	5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
			<u>TRACT 15</u>			
SF 078640	<u>T-27-N, R-7-W</u>	1760.00				
	Sec. 20: E/2		Royalty;	12.500000%	12.500000%	<u>10.426960%</u>
	Sec. 21: All		Working Interest;			
	Sec. 22: W/2		El Paso Natural Gas Co.;	82.500000%	82.500000%	
	Sec. 27: NW/4		ORRI;	5.000000%	5.000000%	
	Sec. 28: N/2		TOTAL	100.000000%	100.000000%	
			<u>TRACT 15-A</u>			

SCHEDULE XXVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078835	T-27-N, R-7-W Sec. 6: Lots 3, 4, 5, 6, 7, SE/4 NW/4, E/2 SW/4 Sec. 7: E/2	640.20	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.000000% 3.500000% 100.000000%	12.500000% 84.000000% 3.500000% 100.000000%	<u>3.792807%</u>
			TRACT 16			
SF 078835-A	T-27-N, R-7-W Sec. 6: Lots 1, 2, S/2 NE/4, SE/4 Sec. 7: Lots 1, 2, 3, 4, E/2 W/2	640.86	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 67.000000% 20.500000% 100.000000%	12.500000% 67.000000% 20.500000% 100.000000%	<u>3.796717%</u>
			TRACT 17			
SF 078840	T-27-N, R-7-W Sec. 18: Lots 1, 2, 3, 4, E/2 W/2	320.36	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 67.000000% 20.500000% 100.000000%	12.500000% 67.000000% 20.500000% 100.000000%	<u>1.897944%</u>
			TRACT 18			
SF 078840	T-27-N, R-7-W Sec. 19: Lots 1, 2, 3, 4, E/2 W/2, E/2 (All)	641.15	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 67.000000% 20.500000% 100.000000%	12.500000% 67.000000% 20.500000% 100.000000%	<u>3.798435%</u>
			TRACT 18-A			

SCHEDULE XXVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078972	T-27-N, R-7-W	1600.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	12.500000%	<u>9.479055%</u>
	Sec. 3: S/2					
	Sec. 10: All					
	Sec. 11: All					
	TOTAL			100.000000%	100.000000%	
			TRACT 19			
SF 078972-A	T-27-N, R-7-W	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; Waymon G. Peavy; Margaret Hotchkiss, Ancillary Admin. of the Estate of A. Arant, Dec'd., and Ancillary Guardian of Lylla Arant; ORRI;	12.500000%	12.500000%	<u>1.895811%</u>
	Sec. 9: E/2					
	TOTAL			100.000000%	100.000000%	
			TRACT 20			
SF 079289	T-28-N, R-7-W	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	12.500000%	<u>.473953%</u>
	Sec. 22: N/2 NW/4					
	TOTAL			100.000000%	100.000000%	
			TRACT 21			

SCHEDULE XXVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079289-A	T-28-N, R-7-W Sec. 15: W/2 Sec. 22: E/2	640.00	TRACT 22 Royalty; Working Interest: El Paso Natural Gas Co.; Thelma Ford Simmons, Indiv. & as Independent Executrix of the Estate of D. J. Simmons;			
				12.500000%	12.500000%	
				52.500000%	52.500000%	
				35.000000%	35.000000%	
			TOTAL	100.000000%	100.000000%	
						<u>3.791622%</u>
SF 079298-B	T-27-N, R-7-W Sec. 12: All	640.00	TRACT 26 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;			
				12.500000%	12.500000%	
				81.500000%	81.500000%	
				6.000000%	6.000000%	
			TOTAL	100.000000%	100.000000%	
						<u>3.791622%</u>
E 290-28	T-27-N, R-7-W Sec. 2: Lots 3, 4, SW/4	238.96	TRACT 28 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;			
				12.500000%	12.500000%	
				82.500000%	82.500000%	
				5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
						<u>1.415697%</u>
E 290-33	T-27-N, R-7-W Sec. 2: S/2 NW/4	80.00	TRACT 31 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;			
				12.500000%	12.500000%	
				75.000000%	75.000000%	
				12.500000%	12.500000%	
			TOTAL	100.000000%	100.000000%	
						<u>.473953%</u>

SCHEDULE XXVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-25	<u>T-27-N, R-7-W</u> Sec. 16: NW/4 NW/4	40.00				
			Royalty:	12.500000%	12.500000%	<u>.236976%</u>
			Working Interest:	83.500000%	83.500000%	
			El Paso Natural Gas Co. ; ORRI ;	<u>4.000000%</u> 100.000000%	<u>4.000000%</u> 100.000000%	
			TOTAL			
			<u>TRACT 32</u>			
E 4425-48	<u>T-27-N, R-7-W</u> Sec. 16: NE/4 NW/4	40.00				
			Royalty:	12.500000%	12.500000%	<u>.236976%</u>
			Working Interest:	82.500000%	82.500000%	
			El Paso Natural Gas Co. ; ORRI ;	<u>5.000000%</u> 100.000000%	<u>5.000000%</u> 100.000000%	
			TOTAL			
			<u>TRACT 33</u>			
E 4425-46	<u>T-27-N, R-7-W</u> Sec. 16: SW/4 NW/4	40.00				
			Royalty:	12.500000%	12.500000%	<u>.236976%</u>
			Working Interest:	50.700000%	50.700000%	
			El Paso Natural Gas Co. ; *Mesa Petroleum Co. ; ORRI ;	<u>33.800000%*</u> <u>3.000000%</u> 100.000000%	<u>33.800000%*</u> <u>3.000000%</u> 100.000000%	
			TOTAL			
			<u>TRACT 34</u>			

*During periods of payout, Mesa working interest converts to a 12.5% O.R.R.I.

SCHEDULE XXVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 2825-6	<u>T-27-N, R-7-W</u>	520.00	<u>TRACT 35</u>			
	Sec. 16: <u>SE/4 NW/4,</u> SW/4, E/2		Royalty:	12.500000%	12.500000%	<u>3.080693%</u>
			Working Interest:	49.500000%	49.500000%	
			El Paso Natural Gas Co.;	33.000000%*	33.000000%*	
			*Mesa Petroleum Co.;	5.000000%	5.000000%	
			ORRI:	100.000000%	100.000000%	
			TOTAL			
				<u>100.000000%</u>		
			<u>TRACT 36</u>			
						<u>.710929%</u>
Fee	<u>T-28-N, R-7-W</u>	120.00	<u>TRACT 36</u>			
	Sec. 28: <u>W/2 NE/4,</u> SE/4 NE/4		Royalty:	12.500000%	12.500000%	<u>.710929%</u>
			Working Interest:	87.500000%	87.500000%	
			El Paso Natural Gas Co.;	.000000%	.000000%	
			ORRI:	100.000000%	100.000000%	
			TOTAL			
				<u>100.000000%</u>		

*During periods of payout, Mesa working interest
converts to a 12.5% O.R.R.I.

SCHEDULE XXVIII

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 28 North, Range 7 West, N.M.P.M.

Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
 Sections 15, 35: W/2
 Sections 18, 19 28, 33: E/2
 Sections 22, 27, 34: All
 Section 31: Lots 1,2,3,4,5,6,7, E/2 NW/4, NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.

Sections 17, 20: E/2
 Sections 2, 15, 18, 22: W/2
 Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: All
 Section 20: SW/4, S/2 NW/4, NE/4 NW/4
 Section 28: N/2
 Section 27: NW/4

Total Number of acres in Participating Area: 16,879.32

Total Number of acres committed to Participating Area: 16,879.32

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

SCHEDULE XXIX
TWENTY-EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	T-27-N, R-7-W	280.00	TRACT 1			<u>1.573451%</u>
	Sec. 20: SW/4,			12.500000%	12.500000%	
	S/2 NW/4,			64.625000%	64.625000%	
	NE/4 NW/4			22.875000%	22.875000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;		TOTAL			
NM 03560	T-27-N, R-7-W	1281.44	TRACT 2			<u>7.201011%</u>
	Sec. 29: All			12.500000%	12.500000%	
	Sec. 30: All			63.125000%	63.125000%	
				24.375000%	24.375000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;		TOTAL			
SF 078417	T-28-N, R-7-W	440.00	TRACT 3			<u>2.472565%</u>
	Sec. 7: S/2 SE/4,			12.500000%	12.500000%	
	SE/4 SW/4			84.500000%	84.500000%	
	Sec. 18: E/2			3.000000%	3.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;		TOTAL			
SF 078417-A	T-28-N, R-7-W	320.00	TRACT 4			<u>1.798230%</u>
	Sec. 22: S/2 NW/4,			12.500000%	12.500000%	
	SW/4			83.500000%	83.500000%	
	Sec. 18: E/2 NW/4			4.000000%	4.000000%	
				<u>100.000000%</u>	<u>100.000000%</u>	
	Royalty: Working Interest: El Paso Natural Gas Co.; ORRI;		TOTAL			

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078496	T-27-N, R-7-W Sec. 3: N/2 Sec. 5: Lots 1,2, S/2 NE/4 T-28-N, R-7-W Sec. 27: SE/4, E/2 NE/4 Sec. 34: Lots 3,4, N/2 SW/4, NW/4 Sec. 35: Lots 3,4, N/2 SW/4, NW/4	1362.24	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%	<u>7.655064%</u>
<u>TRACT 5</u>						
SF 078496-A	T-27-N, R-7-W Sec. 4: N/2 T-28-N, R-7-W Sec. 34: Lots 1,2, N/2 SE/4, NE/4	641.83	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000% 100.000000%	12.500000% 83.500000% 4.000000% 100.000000%	<u>3.606743%</u>
<u>TRACT 6</u>						
SF 078497	T-28-N, R-7-W Sec. 7: Lot 1, 2,3,4,5 Sec. 19: E/2, Lot 1, E/2 W/2	695.52	Royalty; Working Interest El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%	<u>3.908452%</u>
<u>TRACT 7</u>						
<u>TOTAL</u>						

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078497-A	<u>T-28-N, R-7-W</u> Sec. 18: Lots 1,2, 3,4, E/2 SW/4	224.76	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000% 100.000000%	12.500000% 83.500000% 4.000000% 100.000000%	<u>1.263034%</u>
			<u>TRACT 8</u>			
			TOTAL			
SF 078498	<u>T-28-N, R-7-W</u> Sec. 27: <u>W/2</u> NE/4, W/2 Sec. 33: Lots 1,2, N/2 SE/4, NE/4	716.32	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%	<u>4.025337%</u>
			<u>TRACT 9</u>			
			TOTAL			
SF 078498-A	<u>T-28-N, R-7-W</u> Sec. 28: <u>SE/4</u> , NE/4 NE/4	200.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%	<u>1.123894%</u>
			<u>TRACT 9-A</u>			
			TOTAL			
SF 078500-A	<u>T-28-N, R-7-W</u> Sec. 31: Lots 1,2,3,4, 5,6,7, N/2 SE/4, E/2 NW/4, NE/4 SW/4 Sec. 19: Lots 2,3,4	565.36	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%	<u>3.177022%</u>
			<u>TRACT 10</u>			
			TOTAL			

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078500	T-28-N, R-7-W	189.30				
	Sec. 30: Lots 1,2, 3, E/2 NW/4					
	Royalty:		12.500000%		12.500000%	
	Working Interest:		83.500000%		83.500000%	
	El Paso Natural Gas Co.:		4.000000%		4.000000%	
	ORRI:		100.000000%		100.000000%	
	TOTAL					
SF 078565	T-27-N, R-7-W	320.00				
	Sec. 5: SE/4					
	Sec. 8: NW/4					
	Royalty:		12.500000%		12.500000%	
	Working Interest:		69.000000%		69.000000%	
	El Paso Natural Gas Co.:		18.500000%		18.500000%	
	ORRI:		100.000000%		100.000000%	
	TOTAL					
SF 078565-A	T-27-N, R-7-W	320.52				
	Sec. 5: Lots 3,4, S/2 NW/4, SW/4					
	Royalty:		12.500000%		12.500000%	
	Working Interest:		86.500000%		86.500000%	
	El Paso Natural Gas Co.:		1.000000%		1.000000%	
	ORRI:		100.000000%		100.000000%	
	TOTAL					
SF 078569	T-27-N, R-7-W	320.00				
	Sec. 8: SW/4, NE/4					
	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					

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078570	T-27-N, R-7-W	640.00	<u>TRACT 14</u>			<u>3.596459%</u>
	Sec. 4: S/2		Royalty;	12.500000%	12.500000%	
	Sec. 8: SE/4		Working Interest;			
	Sec. 9: NW/4		Tenneco Oil Company	80.500000%	80.500000%	
			ORRI;	7.000000%	7.000000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
SF 078640	T-27-N, R-7-W	800.00	<u>TRACT 15</u>			<u>4.495574%</u>
	Sec. 9: SW/4		Royalty;	12.500000%	12.500000%	
	Sec. 15: W/2		Working Interest;			
	Sec. 17: E/2		El Paso Natural Gas Co.;	82.500000%	82.500000%	
			ORRI;	5.000000%	5.000000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
SF 078640	T-27-N, R-7-W	1760.00	<u>TRACT 15-A</u>			<u>9.890263%</u>
	Sec. 20: E/2		Royalty;	12.500000%	12.500000%	
	Sec. 21: A11		Working Interest;			
	Sec. 22: W/2		El Paso Natural Gas Co.;	82.500000%	82.500000%	
	Sec. 27: NW/4		ORRI;	5.000000%	5.000000%	
	Sec. 28: N/2		TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
SF 078835	T-27-N, R-7-W	640.20	<u>TRACT 16</u>			<u>3.597583%</u>
	Sec. 6: Lots 3,4,5, 6,7, SE/4 NW/4, E/2 SW/4		Royalty;	12.500000%	12.500000%	
			Working Interest;			
			El Paso Natural Gas Co.;	84.000000%	84.000000%	
			ORRI;	3.500000%	3.500000%	
	Sec. 7: E/2		TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078835-A	<u>T-27-N, R-7-W</u>	640.86				<u>3.601292%</u>
	Sec. 6: Lots 1,2, S/2 NE/4, SE/4		Royalty; Working Interest: El Paso Natural Gas Co.;	12.500000%	12.500000%	
	Sec. 7: Lots 1,2, 3,4, E/2 W/2		ORRI;	67.000000% 20.500000%	67.000000% 20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
SF 078840	<u>T-27-N, R-7-W</u>	320.36				<u>1.800253%</u>
	Sec. 18: Lots 1,2, 3,4, E/2 W/2		Royalty; Working Interest: El Paso Natural Gas Co.;	12.500000%	12.500000%	
			ORRI;	67.000000% 20.500000%	67.000000% 20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
SF 078840	<u>T-27-N, R-7-W</u>	641.15				<u>3.602923%</u>
	Sec. 19: Lots 1,2, 3,4, E/2 W/2, E/2 (A11)		Royalty; Working Interest: El Paso Natural Gas Co.;	12.500000%	12.500000%	
			ORRI;	67.000000% 20.500000%	67.000000% 20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
SF 078972	<u>T-27-N, R-7-W</u>	1600.00				<u>8.991148%</u>
	Sec. 3: S/2		Royalty;	12.500000%	12.500000%	
	Sec. 10: A11		Working Interest:	70.000000%	70.000000%	
	Sec. 11: A11		El Paso Natural Gas Co.;	17.500000%	17.500000%	
			ORRI;	<u>100.000000%</u>	<u>100.000000%</u>	
			TOTAL	<u>100.000000%</u>		

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION		
			OWNERSHIP	PERCENTAGE			
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	TRACT 20		1.798230%		
			Royalty:	12.500000%			
			Working Interest:				
			El Paso Natural Gas Co.:	66.667000%			
			Waymon G. Peavy	6.666000%			
			Margaret Hotchkiss, Ancl. Admin.	6.667000%			
			of the Est. of A. Harvey Arant,				
			Deceased & Ancl. Gdn. of Lylla				
			Arant				
			ORRI:				
TOTAL		7.500000%	7.500000%				
		100.000000%	100.000000%				
SF 079289	T-28-N, R-7-W Sec. 22: N/2 NW/4	80.00	TRACT 21		0.449557%		
			Royalty:	12.500000%			
			Working Interest:				
			El Paso Natural Gas Co.:	69.000000%			
			ORRI:	18.500000%			
			TOTAL			100.000000%	100.000000%
			TRACT 22				
SF 079289-A	T-28-N, R-7-W Sec. 15: W/2 Sec. 22: E/2	640.00	TRACT 22		3.596459%		
			Royalty:	12.500000%			
			Working Interest:				
			El Paso Natural Gas Co.:	52.500000%			
			Thelma Ford Simmons, Indiv. & as Indep. Executrix of Est. of D. J. Simmons	35.000000%			
			TOTAL			100.000000%	100.000000%

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079298-B	T-27-N, R-7-W Sec. 12: All	640.00	TRACT 26	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	<u>3.596459%</u>
				12.500000%	12.500000%	
				81.500000%	81.500000%	
				6.000000%	6.000000%	
				TOTAL	100.000000%	
E 290-28	T-27-N, R-7-W Sec. 2: Lots 3, 4, SW/4	238.96	TRACT 28	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	<u>1.342827%</u>
				12.500000%	12.500000%	
				82.500000%	82.500000%	
				5.000000%	5.000000%	
				TOTAL	100.000000%	
E 290-33	T-27-N, R-7-W Sec. 2: S/2 NW/4	80.00	TRACT 31	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	<u>0.449557%</u>
				12.500000%	12.500000%	
				75.000000%	75.000000%	
				12.500000%	12.500000%	
				TOTAL	100.000000%	
E 4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	TRACT 32	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000%	<u>0.224778%</u>
				12.500000%	12.500000%	
				83.500000%	83.500000%	
				4.000000%	4.000000%	
				TOTAL	100.000000%	

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E 4425-48	<u>T-27-N, R-7-W</u> Sec. 16: NE/4 NW/4	40.00	<u>TRACT 33</u>			<u>0.224778%</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					
E 4425-46	<u>T-27-N, R-7-W</u> Sec. 16: SW/4 NW/4	40.00	<u>TRACT 34</u>			<u>0.224778%</u>
	Royalty:			12.500000%	12.500000%	
	Working Interest:			50.700000%	50.700000%	
	El Paso Natural Gas Co.:			33.800000%*	33.800000%*	
	*Mesa Petroleum Co.:			3.000000%	3.000000%	
	ORRI:			100.000000%	100.000000%	
	TOTAL					
E 2825-6	<u>T-27-N, R-7-W</u> Sec. 16: SE/4 NW/4, SW/4, E/2	520.00	<u>TRACT 35</u>			<u>2.922124%</u>
	Royalty:			12.500000%	12.500000%	
	Working Interest:			49.500000%	49.500000%	
	El Paso Natural Gas Co.:			33.000000%*	33.000000%*	
	*Mesa Petroleum Co.:			5.000000%	5.000000%	
	ORRI:			100.000000%	100.000000%	
	TOTAL					

*During periods of payout, Mesa working interest converts to a 12.5% O.R.R.I.

SCHEDULE XXIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
Fee	T-28-N, R-7-W	236.46				
	Sec. 28: W/2 NE/4, SE/4 NE/4		Royalty; Working Interest; El Paso Natural Gas Co.;	12.500000%	12.500000%	
	Sec. 30: Lot 4, E/2 SW/4		ORRI;	87.500000%	87.500000%	
				.000000%	.000000%	
			TOTAL	100.000000%	100.000000%	1.328778%

SCHEDULE XXIX

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 28 North, Range 7 West, N.M.P.M.

Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
Section 18, 19: Lots 1,2,3,4, E/2 W/2, E/2 (All)
Section 30: Lots 1,2,3,4, E/2 W/2
Sections 15, 35: W/2
Sections 28, 33: E/2
Sections 22, 27, 34: All
Sections 31: Lots 1,2,3,4,5,6,7, E/2 NW/4, NE/4 SW/4, N/2 SE/4

Township 27 North, Range 7 West, N.M.P.M.

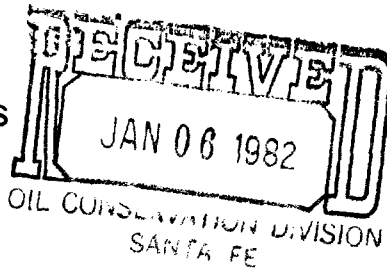
Sections 17, 20: E/2
Sections 2, 15, 18, 22: W/2
Sections 3,4,5,6,7,8,9,10,11,12,16,19,21,29,30: All
Section 20: SW/4, S/2 NW/4, NE/4 NW/4
Section 28: N/2
Section 27: NW/4

Total Number of Acres in Participating Area: 17,795.28

Total Number of Acres committed to Participating Area: 17,795.28

Percent of Basic Royalty Committed: 100.000000%
Percent of Working Interest Committed: 100.000000%
Percent of ORRI Committed: 100.000000%

El Paso NATURAL GAS
COMPANY



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

January 5, 1982

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

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

445

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

Re: San Juan 28-7 Unit, #14-08-001-459,
NOTICE OF COMPLETION OF ADDITIONAL
WELL, Pictured Cliffs and
Mesaverde Formations

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that two (2) additional wells capable of producing unitized substances in paying quantities from the Pictured Cliffs and Mesaverde Formations have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 28-7 Unit #30A Well, located 1840' from the North line and 1045' from the West line of Section 18, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 2, 1980, and completed on August 7, 1980, at a plugged back depth of 6121'. The Pictured Cliffs Formation at the selected intervals between 3463' and 3498' was treated with a sand-water fracturing process on May 26, 1980. The well was shut-in on October 27, 1980, and after being shut-in for eight (8) days, the Pictured Cliffs Formation was tested on November 4, 1980, using the Pitot tube method with an after frac guage of 3189 MCF/D, with an SIPC of 958 psia and an SIPT of 958 psia. The Mesaverde Formation at the selected intervals between 5024' and 6031' was treated with a sand-water fracturing process on May 26, 1980. The well was shut-in on October 27, 1980, and after being shut-in for eight (8) days, the Mesaverde Formation was tested on November 4, 1980, using the Pitot tube method with an after frac guage of 4959 MCF/D, with an SIPT of 831 psia. The spacing unit for this well is described as the W/2 of Section 18, Township 28 North, Range 7 West, N.M.P.M., containing 304.76 acres.

The San Juan 28-7 Unit #94A Well, located 1520' from the North line and 820' from the West line of Section 30, Township 28 North, Range 7 West, N.M.P.M., was spudded on March 31, 1980, and completed on August 7, 1980, at a plugged back depth of 5523'. The Pictured Cliffs Formation at the selected intervals between 2832' and 2918' was treated with a sand-water fracturing process on May 20, 1980. The well was shut-in on October 27, 1980, and after being shut-in for eight (8) days, the Pictured Cliffs Formation was tested on November 4, 1980, using the Pitot tube method with an after frac guage of 1130 MCF/D, with an SIPC of 865 psia and an SIPT of 865 psia. The Mesaverde Formation at the selected intervals between 4406' and 5432' was treated with a sand-water fracturing process on May 19, 1980. The well was shut-in on October 27, 1980, and after being shut-in for eight (8) days, the Mesaverde Formation was tested on November 4, 1980, using the Pitot tube method with an after frac guage of 7636 MCF/D, with an SIPT of 962 psia. The spacing unit for this well is described as the W/2 of Section 30, Township 28 North, Range 7 West, N.M.P.M., containing 305.76 acres.

Both of the drilling blocks for the above-described wells are included within the existing Pictured Cliffs and Mesaverde Participating Areas; therefore, the Pictured Cliffs and Mesaverde Participating Areas are 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,



Robert J. Hopkins
Landman
Land Department

RJH/en
Attachment
SJ 28-7, 4.1.1, 4.2.1

cc: Mr. Antonio Martinez

SAN JUAN 28-7 UNIT
PICTURED CLIFFS AND
MESAVERDE WORKING
INTEREST OWNERS

Elizabeth Jeanne Turner Calloway

Getty Reserve Oil, Inc.
c/o Getty Oil Company

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas 79101

Mesa Petroleum Company
Denver, Colorado 80203

Waymon G. Peavy

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., as Trustee

John Lee Turner

University of Texas Law School Foundation

The Wiser Oil Company

El Paso NATURAL GAS
COMPANY

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

May 8, 1981

UUC

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1981 Drilling Program

Gentlemen:

The Drilling Program for 1981 for the referenced unit was approved on the following dates:

<u>USGS</u>	<u>CPL</u>	<u>OCD</u>
2/2/81	12/2/80	12/8/80

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

Very truly yours,

Tom F. Hawkins
Landman
Land Department

RECEIVED
MAY 13 1981
OIL CONSERVATION DIVISION
SANTA FE

TFH/en
SJ 28-7 Unit, 3.0

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

(Mr. W. H. Riddle)

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming (Information Only)

University of Texas Law School Foundation

The Wiser Oil Company



United States Department of the Interior

GEOLOGICAL SURVEY

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

FEB 9 1981

445

El Paso Natural Gas Company
Attention: D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1981 plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill two Pictured Cliffs wells, two dual Pictured Cliffs/Mesaverde wells, and nine Dakota wells, was approved on this date subject to like approval by the appropriate officials of the state of New Mexico.

Sincerely yours,

(ORIG. SCD.) GENE F. DANIEL

Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosures

cc:
NMOCD, Santa Fe (ltr only)
Com. of Public Lands
Santa Fe (ltr only)

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

September 11, 1986

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

#445

Meridian Oil
ATTENTION: Mr. Alan Alexander
P. O. Box 4289
Farmington, New Mexico 87499

Re: San Juan 28-7 Unit, Eighth
and Ninth Expanded Participating
Area, Chacra Formation, Effective
February 1, 1984, and March 1,
1984, RioArriba County, N. M.

Gentlemen:

The Bureau of Land Management has notified this office that the Eighth and Ninth revisions to the Chacra Participating Area for the San Juan 28-7 Unit Agreement was approved.

The Commissioner of Public Lands concurs with the Bureau of Land Management and has also this date accepted the Eighth and Ninth revisions to the Chacra Participating Area.

The Eighth revision adds 321.15 acres to the Chacra Participating Area and is described as Lots 1,2,3,4, E/2W/2 of Section 19 Township 27 North, Range 7 West. The Eighth revision is effective as of February 1, 1984 and is predicated upon the successful completion of the San Juan 28-7 Unit Well No. 268.

The Ninth revision adds 321.44 acres to the Chacra Participating Area and is described as Lots 1,2,3,4, E/2W/2 of Section 30 Township 27 North, Range 7 West. The Ninth revision is effective as of March 1, 1984 and is predicated upon the successful completion of the San Juan 28-7 Unit Well No. 269.

If we may be of further help please call on us.

Very truly yours,

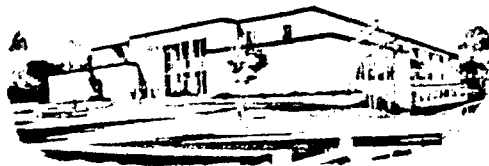
JIM BACA
COMMISSIONER OF PUBLIC LANDS
BY: *[Signature]*

FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluids Branch

State of New Mexico



Commissioner of Public Lands

December 2, 1980

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

445

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1981 Drilling Program

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. Such program proposes the drilling of wells No. 44A, 262, 233E, 136E, 6A, 46A, 257E, 219E, 232E, 134E, 194E, 220E and 159E. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC 505-827-2748

AJA/FOP/s
encls.

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

El Paso NATURAL GAS
COMPANY

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

November 11, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1981 DRILLING PROGRAM

Gentlemen:

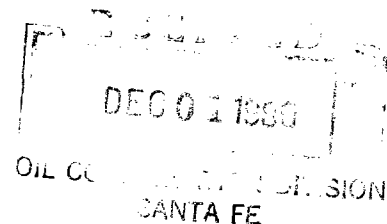
By letter dated November 16, 1979, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1980, providing for the drilling of ten (10) Pictured Cliffs-Mesaverde wells which were outside the Pictured Cliffs Participating Area but within the Mesaverde Participating Area. Of the above wells, five (5) are completed and are awaiting evaluation as to cause an expansion of the Pictured Cliffs Participating Area and five (5) are still being drilled. By letter dated March 13, 1980 ten (10) additional Dakota wells were added to the 1980 Drilling Program. All of the Dakota wells were within the Dakota Participating Area; six (6) of the Dakota wells are being drilled while four (4) have not yet been drilled.

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs
Pictured Cliffs/Mesaverde,
being evaluated

40

5



November 11, 1980

Page two

Pictured Cliffs/Mesaverde, being drilled	5
Mesaverde	60
Dual PC/MV	26
Dual PC/Chacra	15
Dual MV/DK	2
Dakota	89
Dakota, being drilled	6
Dakota, approved but not yet drilled	4
Chacra	9
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Non-Commercial Dakota	1
Plugged and Abandoned	2
Dual PC/Chacra (Chacra- Non-Commercial)	1
	<u>271</u>

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1981:

<u>Well No.</u>	<u>Drilling Program</u>	<u>Formation</u>
44A	E/2 of Section 2, T-27-N, R-7-W	Pictured Cliffs
262	W/2 of Section 8, T-28-N, R-7-W	Pictured Cliffs
233E	N/2 of Section 14, T-28-N, R-7-W	Dakota
136E	S/2 of Section 14, T-28-N, R-7-W	Dakota
6A	W/2 of Section 16, T-28-N, R-7-W	PC/MV
46A	E/2 of Section 16, T-28-N, R-7-W	PC/MV
257E	E/2 of Section 19, T-28-N, R-7-W	Dakota
219E	W/2 of Section 20, T-28-N, R-7-W	Dakota
232E	E/2 of Section 20, T-28-N, R-7-W	Dakota
134E	W/2 of Section 21, T-28-N, R-7-W	Dakota
194E	E/2 of Section 21, T-28-N, R-7-W	Dakota
220E	W/2 of Section 22, T-28-N, R-7-W	Dakota
159E	E/2 of Section 22, T-28-N, R-7-W	Dakota

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.

November 11, 1980
Page three

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,

A handwritten signature in cursive script, appearing to read "D. N. Canfield".

D. N. Canfield
Attorney-in-Fact

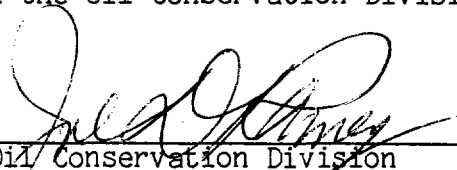
DNC:TFH:pw
Attachments
SJ 28-7 Unit, 3.0

APPROVED: _____
Area Oil and Gas Supervisor
United States Geological Survey
(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
United States Geological Survey
& the Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
United States Geological Survey
& the Commissioner of Public Lands)

DATED: 12/8/80

The foregoing approvals are for the 1981 Drilling Program for the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

(Mr. W. H. Riddle)

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

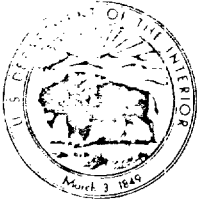
John Lee Turner

Union Oil Company of California
(Casper, Wyoming)

Union Oil Company of California
Midland, Texas

University of Texas Law School Foundation

The Wiser Oil Company



United States Department of the Interior

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

JUN 19 1980

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

Gentlemen:

Your letter filed with this office on June 5, 1980, notified all parties to the San Juan 28-7 Unit, #14-08-001-459, Rio Arriba County, New Mexico, of completion of 10 additional wells in the Mesaverde formation. These wells are located within the boundary of the existing participating area. The notice is accepted for record purposes. Two signed copies of the notice are enclosed.

Sincerely yours,

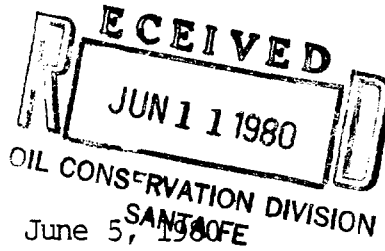
(ORIG. SGD.) JACK WILLOCK

FOR Gene F. Daniel
Acting Deputy Conservation Manager
Oil and Gas

Enclosures 2

cc:
NMOCD, Santa Fe

El Paso NATURAL GAS
COMPANY



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

495

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

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 28-7 Unit, #14-08-001-459,
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Mesaverde Formation

Gentlemen:

Pursuant to Section 11 (a) of the captioned Agreement, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that ten (10) additional wells capable of producing unitized substances from the Mesaverde formation have been completed upon acreage committed to the Unit. These wells are as follows:

Unit Well # 21A, located 1180' from the south line and 840' from the east line of Section 9, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 4, 1979, and completed on June 20, 1979, at a plugged back total depth of 5507'. The Mesaverde Formation at selected intervals between 4538' and 5494' was treated with a sand-water fracturing process on June 7, 1979. The well was shut-in on June 10, 1979, and after being shut-in for ten (10) days, the Mesaverde Formation was tested on June 20, 1979, using the Pitot tube method with an after frac guage of 2536 MCF/D, with an SIPC of 1055 psia and an SIPT of 501 psia. The spacing unit for this well is described as all of Section 9, Township 28 North, Range 7 West, N.M.P.M., containing 299.64 acres.

Unit Well # 22A, located 1940' from the south line and 1690' from the east line of Section 17, Township 28 North, Range 7 West, N.M.P.M., was spudded on July 8, 1979, and completed on August 8, 1979, at a plugged back total depth of 5907'. The Mesaverde Formation at selected intervals between 4922' and 5874' was treated with a sand-water fracturing process on July 28, 1979. The well was shut-in on July 31, 1979, and after being shut-in for eight (8) days, the Mesaverde Formation was tested on August 8, 1979, using the Pitot tube method with an after frac guage of 3333 MCF/D, with an SIPC of 970 psia and an SIPT of 970 psia. The spacing unit for this well is described as the east of Section 17, Township 28 North, Range 7 West, N.M.P.M., containing 320 acres.

Unit Well # 24A, located 1700' from the south line and 1450' from the east line of Section 14, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 21, 1979, and completed on June 20, 1979, at a plugged back total depth of 5844'. The Mesaverde Formation at selected intervals between 4869' and 5784' was treated with a sand-water fracturing process on June 10 and June 11, 1979. The well was shut-in on June 13, 1979, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on June 20, 1979, using the Pitot tube method with an after frac guage of 1295 MCF/D, with an SIPC of 972 psia and an SIPT of 320 psia. The spacing unit for this well is described as the east of Section 14, Township 28 North, Range 7 West, N.M.P.M., containing 320 acres.

Unit Well # 29A, located 1720' from the south line and 1490' from the east line of Section 7, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 29, 1979, and completed on August 8, 1979, at a plugged back total depth of 6005'. The Mesaverde Formation at selected intervals between 5028' and 5982' was treated with a sand-water fracturing process on July 23 and July 24, 1979. The well was shut-in on July 27, 1979, and after being shut-in for twelve (12) days, the Mesaverde Formation was tested on August 8, 1979, using the Pitot tube method with an after frac guage of 3599 MCF/D, with an SIPC of 945 psia and an SIPT of 580 psia. The spacing unit for this well is described as all of Section 7, Township 28 North, Range 7 West, N.M.P.M., containing 299.21 acres.

Unit Well # 44A, located 950' from the south line and 1170' from the east line of Section 2, Township 27 North, Range 7 West, N.M.P.M., was spudded on July 19, 1979, and completed on October 26, 1979, at a plugged back total depth of 5522'. The Mesaverde Formation at selected intervals between 4841' and 5754' was treated with a sand-water fracturing process on October 17, 1979. The well was shut-in on October 19, 1979, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on October 26, 1979, using the Pitot tube method with an after frac guage of 916 MCF/D, with an SIPC of 788 psia and an SIPT of 409 psia. The spacing unit for this well is described as the east of Section 2, Township 27 North, Range 7 West, N.M.P.M., containing 319.12 acres.

Unit Well # 48A, located 900' from the north line and 950' from the west line of Section 21, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 13, 1979, and completed on June 14, 1979, at a plugged back total depth of 5302'. The Mesaverde Formation at selected intervals between 4301' and 5276' was treated with a sand-water fracturing process on June 4 and June 5, 1979. The well was shut-in on June 7, 1979, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on June 14,

1979, using the Pitot tube method with an after frac guage of 2047 MCF/D, with an SIPC of 960 psia and an SIPT of 955 psia. The spacing unit for this well is described as the west of Section 21, Township 28 North, Range 7 West, N.M.P.M., containing 320 acres.

Unit Well # 50A, located 1470' from the south line and 1750' from the east line of Section 23, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 29, 1979, and completed on July 19, 1979, at a plugged back total depth of 6021'. The Mesaverde Formation at selected intervals between 4949' and 5963' was treated with a sand-water fracturing process on July 7, 1979. The well was shut-in on July 11, 1979, and after being shut-in for eight (8) days, the Mesaverde Formation was tested on July 19, 1979, using the Pitot tube method with an after frac guage of 1714 MCF/D, with an SIPC of 98 psia and an SIPT of 922 psia. The spacing unit for this well is described as the east of Section 23, Township 28 North, Range 7 West, N.M.P.M., containing 320 acres.

Unit Well # 55A, located 1460' from the south line and 990' from the east line of Section 12, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 18, 1979, and completed on July 30, 1979, at a plugged back total depth of 6236'. The Mesaverde Formation at selected intervals between 5215' and 6204' was treated with a sand-water fracturing process on July 21, 1979. The well was shut-in on July 23, 1979, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on July 30, 1979, using the Pitot tube method with an after frac guage of 2857 MCF/D, with an SIPC of 832 psia and an SIPT of 532 psia. The spacing unit for this well is described as all of Section 12, Township 28 North, Range 7 West, N.M.P.M., containing 288.40 acres.

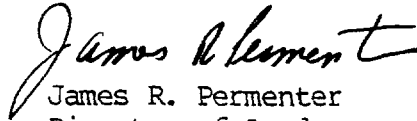
Unit Well # 56A, located 915' from the north line and 1700' from the west line of Section 13, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 10, 1979, and completed on July 26, 1979, at a plugged back total depth of 6036'. The Mesaverde Formation at selected intervals between 5078' and 6000' was treated with a sand-water fracturing process on July 15 and July 16, 1979. The well was shut-in on July 19, 1979, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on July 26, 1979, using the Pitot tube method with an after frac guage of 1847 MCF/D, with an SIPC of 812 psia and an SIPT of 435 psia. The spacing unit for this well is described as the west of Section 13, Township 28 North, Range 7 West, N.M.P.M., containing 320 acres.

Unit Well # 72A, located 1660' from the north line and 1480' from the west line of Section 35, Township 28 North, Range 7 West, N.M.P.M., was spudded on April 26, 1979, and completed on June 12, 1979, at a plugged back total depth of 5409'. The Mesaverde Formation at selected intervals between 4322' and 5324' was treated with a sand-water fracturing process on May 31 and June 3, 1979. The well was shut-in on June 4, 1979, and after being shut-in for eight (8) days, the Mesaverde Formation was tested on June 12, 1979, using the Pitot tube method with an after frac guage of 368 MCF/D, with an SIPC of 777 psia and an SIPT of 282 psia. The spacing unit for this well is described as the W/2 of Section 35, Township 28 North, Range 7 West, N.M.P.M., containing 324.7 acres.

All ten (10) of the drilling blocks for the above-described wells are included within the existing San Juan 28-7 Unit Mesaverde 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, reading "James R. Permenter".

James R. Permenter
Director of Land
Administration

JRP:RHN:en
Attachment
San Juan 28-7 4.2.1.

cc: Mr. Antonio Martinez

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

(Mr. W. H. Riddle)

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

John Lee Turner

Union Oil Company of California
(Casper, Wyoming)

Union Oil Company of California
Midland, Texas

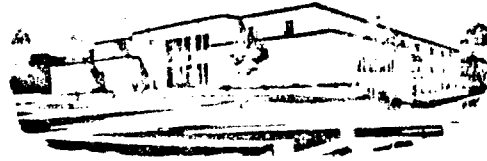
University of Texas Law School Foundation

The Wiser Oil Company

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

November 30, 1979

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1980 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1980 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. Such plan provides for the drilling of of wells number 20A, 61A, 33A, 12A, 30A, 32A, 94A, 51A, 74A and the 8A. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three' (\$3.00)*Dollar filing fee.

Very truly yours,

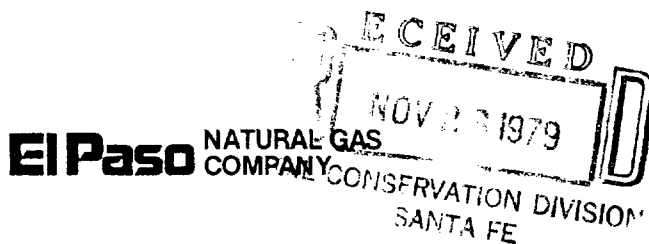
ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s

encl.

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



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

November 16, 1979

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1980 DRILLING PROGRAM

Gentlemen:

By letter dated January 4, 1979, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1979 providing for the drilling of one Pictured Cliffs Well, the No. 198, which is outside of the existing Pictured Cliffs Participating Area and ten (10) Mesaverde wells within the existing Mesaverde Participating Area. Said Pictured Cliffs Well No. 198 has been drilled and is currently being evaluated to determine whether it is capable of producing unitized substances in paying quantities so as to cause an expansion of the Pictured Cliffs Participating Area. The ten (10) Mesaverde Wells have been drilled and completed.

28-7
U45
OK for approval
1/4/80
E/P

November 16, 1979

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs, being evaluated	1
Pictured Cliffs	39
Mesaverde	60
Dual PC/MV	26
Dual PC/Chacra	15
Dual MV/DK	2
Dakota	89
Chacra	9
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Non-Commercial Dakota	1
Plugged and Abandoned	2
Dual PC/Chacra (Chacra Non-Commercial)	1
	<u>251</u>

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following Pictured Cliffs - Mesaverde wells during the calendar year 1980:

<u>Well No.</u>	<u>Location</u>
20A	S/2 Section 8, T-28-N, R-7-W
61A	S/2 Section 10, T-28-N, R-7-W
33A	E/2 Section 13, T-28-N, R-7-W
12A	W/2 Section 17, T-28-N, R-7-W
30A	W/2 Section 18, T-28-N, R-7-W
32A	W/2 Section 19, T-28-N, R-7-W
94A	W/2 Section 30, T-28-N, R-7-W
51A	E/2 Section 24, T-28-N, R-7-W
74A	S/2 Section 11, T-28-N, R-7-W
8A	E/2 Section 18, T-28-N, R-7-W

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.

Regional Oil & Gas Supervisor
Commissioner of Public Lands
Oil Conservation Division

Page Three

November 16, 1979

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

By: *W. J. Canfield*
Attorney-in-Fact

DNC:RHN:pw
Attachments
San Juan 28-7 Unit, 3.0

APPROVED:

Regional Oil & Gas Supervisor
United States Geological Survey
(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
United States Geological Survey
and the Oil Conservation Division)

DATED: _____

APPROVED:


Oil Conservation Division (Subject
to like approval by the United States
Geological Survey and the Commissioner
of Public Lands)

DATED: 1/7/80

The foregoing approvals are for the 1980 Drilling Program for the San Juan 28-7
Unit #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Continental Oil Company

Mr. Brooke Dudley
U.T. at Austin
Law School Foundation

Koch Industries, Inc.

Dixie M. McLane Trust
c/o David G. McLane, Trustee

Mesa Petroleum Company (2)

Waymon G. Peavy

Reserve Oil & Gas Company

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil Company

James Glenn Turner, Jr.

James Glenn Turner, Jr., as Trustee
under a Trust Agreement created for the
benefit of Mary Frances Turner, Jr. on the
23rd day of November, 1964

John Lee Turner

Frederick Eugene Turner

Union Oil Company of California

Union Oil Company of California
Midland, Texas 79701

University of Texas Law School Foundation

The Wiser Oil Company

El Paso NATURAL GAS
COMPANY

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

August 16, 1979

Case #45

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 28-7 Unit, #14-08-001-459,
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Dakota Formation

Gentlemen:

Pursuant to Section 11(a) of the captioned Agreement, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that twenty-seven (27) additional wells capable of producing unitized substances from the Dakota formation have been completed upon acreage committed to the Unit. These wells are as follows:

Unit Well No. 195, located 1150' from the South line and 1840' from the East line of Section 16, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 28, 1978, and completed on February 20, 1979, at a plugged back total depth of 7239'. The Dakota formation at the intervals of 7008', 7012', 7016', 7028', 7034', 7040', 7130', 7134', 7140', 7159', 7165', 7188', 7195', 7211', was treated with a sand-water fracturing process on February 11, 1979. The well was shut-in on February 13, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on February 20, 1979, using the Pitot tube method with an after frac gauge of 1841 MCF/D, with an SIPC of 2627 psia and

an SIPT of 1322 psia. The spacing unit for this well is described as the E/2 of Section 16, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 248, located 1180' from the North line and 1610' from the East line of Section 18, Township 28 North, Range 7 West, N.M.P.M., was spudded on October 26, 1978, and completed on December 11, 1978, at a plugged back total depth of 7943'. The Dakota formation at the intervals of 7696', 7704', 7711', 7717', 7724', 7758', 7794', 7830', 7836', 7861', 7884', 7890', 7895', was treated with a sand-water fracturing process on November 30, 1978. The well was shut-in on December 3, 1978, and after being shut-in for eight (8) days, the Dakota Formation was tested on December 11, 1978, using the Pitot tube method with an after frac gauge of 1841 MCF/D, with an SIPC of 2392 psia and an SIPT of 2017 psia. The spacing unit for this well is described as the E/2 of Section 18, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 249, located 1610' from the North line and 830' from the East line of Section 30, Township 28 North, Range 7 West, N.M.P.M., was spudded on July 9, 1978, and completed on February 24, 1979, at a plugged back total depth of 7005'. The Dakota formation at the intervals of 6761', 6782', 6787', 6791', 6797', 6802', 6866', 6907', 6909', 6915', 6936', 6963', 6972', was treated with a sand-water fracturing process on February 14, 1979. The well was shut-in on February 17, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on February 24, 1979, using the Pitot tube method with an after frac gauge of 527 MCF/D, with an SIPC of 2252 psia and an SIPT of 579 psia. The spacing unit for this well is described as the E/2 of Section 30, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 252, located 790' from the North line and 1850' from the West line of Section 32, Township 28 North, Range 7 West, N.M.P.M., was spudded on January 13, 1979, and completed on May 8, 1979, at a plugged back total depth of 7056'. The Dakota formation at the intervals of 6828', 6834', 6840', 6846', 6920', 6947', 6953', 6959', 6979', 6986', 6999', 7018', 7042', was treated with a sand-water fracturing process on April 29, 1979. The well was shut-in on May 1, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on May 8, 1979, using the Pitot tube method with an after frac gauge of 184 MCF/D, with an SIPC of 1594 psia and an SIPT of 647 psia. The spacing unit for this well is described as the W/2 of Section 32, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 192, located 936' from the North line and 990' from the West line of Section 33, Township 28 North, Range 7 West, N.M.P.M., was spudded on November 30, 1978, and completed on May 21, 1979, at a plugged back total depth of 7722'. The Dakota formation at the intervals of 7474', 7482', 7490', 7498', 7594', 7602', 7628', 7658', 7672', 7680', was treated with a sand-water fracturing process on May 13, 1979. The well was shut-in on May 14, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on May 21, 1979, using the Pitot tube method with an after frac gauge of 1145 MCF/D, with an SIPC of 2351 psia and an SIPT of 2370 psia. The spacing unit for this well is described as the W/2 of Section 33, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 255, located 1890' from the North line and 1130' from the West line of Section 15, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 18, 1978, and completed on February 20, 1979, at a plugged back total depth of 7317'. The Dakota formation at the intervals of 7054', 7057', 7060', 7079', 7086', 7174', 7178', 7181', 7212', 7239', 7245', 7268', was treated with a sand-water fracturing process on February 8, 1979. The well was shut-in on February 10, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on February 20, 1979, using the Pitot tube method with an after frac gauge of 916 MCF/D, with an SIPC of 2712 psia and an SIPT of 1682 psia. The spacing unit for this well is described as the W/2 of Section 15, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 256, located 850' from the North line and 1845' from the East line of Section 17, Township 28 North, Range 7 West, N.M.P.M., was spudded on November 7, 1978, and completed on December 18, 1978, at a plugged back total depth of 7791'. The Dakota formation at the intervals of 7522', 7532', 7542', 7553', 7581', 7625', 7649', 7659', 7677', 7699', 7705', 7725', 7743', 7750', was treated with a sand-water fracturing process on December 3, 1978. The well was shut-in on December 8, 1978, and after being shut-in for twenty-six (26) days, the Dakota Formation was tested on December 18, 1979, using the Pitot tube method with an after frac gauge of 1756 MCF/D, with an SIPC of 2487 psia and an SIPT of 2092 psia. The spacing unit for this well is described as the E/2 of Section 17, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 257, located 1100' from the North line and 1495' from the East line of Section 19, Township 28 North, Range 7 West, N.M.P.M., was spudded on September 18, 1978, and

completed on December 4, 1978, at a plugged back total depth of 7959'. The Dakota formation at the intervals of 7725', 7732', 7738', 7746', 7753', 7852', 7859', 7886', 7895', 7906', 7911', 7924', 7943', 7953', was treated with a sand-water fracturing process on November 23, 1978. The well was shut-in on November 26, 1978, and after being shut-in for eight (8) days, the Dakota Formation was tested on December 4, 1978, using the Pitot tube method with an after frac gauge of 916 MCF/D, with an SIPC of 2280 psia and an SIPT of 1593 psia. The spacing unit for this well is described as the E/2 of Section 19, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 258, located 2480' from the South line and 1615' from the West line of Section 23, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 21, 1978, and completed on June 27, 1978, at a plugged back total depth of 7824'. The Dakota formation at the intervals of 7609', 7619', 7624', 7639', 7645', 7726', 7731', 7736', 7777', 7802', was treated with a sand-water fracturing process on June 13, 1978. The well was shut-in on June 17, 1978, and after being shut-in for ten (10) days, the Dakota Formation was tested on June 27, 1978, using the Pitot tube method with an after frac gauge of 1841 MCF/D, with an SIPC of 2627 psia and an SIPT of 2079 psia. The spacing unit for this well is described as the W/2 of Section 23, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 259, located 1450' from the South line and 790' from the West line of Section 24, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 9, 1978, and completed on June 19, 1978, at a plugged back total depth of 7752'. The Dakota formation at the intervals of 7534', 7541', 7555', 7567', 7621', 7649', 7655', 7661', 7693', 7728', was treated with a sand-water fracturing process on June 9, 1978. The well was shut-in on June 12, 1978, and after being shut-in for seven (7) days, the Dakota Formation was tested on June 19, 1978, using the Pitot tube method with an after frac gauge of 494 MCF/D, with an SIPC of 2696 psia and an SIPT of 2317 psia. The spacing unit for this well is described as the W/2 of Section 24, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 260, located 890' from the North line and 1780' from the East line of Section 5, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 13, 1978, and completed on May 21, 1979, at a plugged back total depth of 7713'. The Dakota formation at the intervals of 7467', 7473', 7480', 7486', 7553', 7583', 7612', 7619', 7634', 7653', 7665', 7672', 7679',

was treated with a sand-water fracturing process on May 9, 1979. The well was shut-in on May 12, 1979, and after being shut-in for nine (9) days, the Dakota Formation was tested on May 21, 1979, using the Pitot tube method with an after frac gauge of 561 MCF/D, with an SIPC of 2520 psia and an SIPT of 2514 psia. The spacing unit for this well is described as the E/2 of Section 5, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 261, located 1240' from the South line and 2155' from the West line of Section 5, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 27, 1978, and completed on May 15, 1979, at a plugged back total depth of 7764'. The Dakota formation at the intervals of 7555', 7560', 7565', 7570', 7640', 7672', 7677', 7682', 7701', 7706', 7722', 7733', 7747', 7755', was treated with a sand-water fracturing process on May 6, 1979. The well was shut-in on May 8, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on May 15, 1979, using the Pitot tube method with an after frac gauge of 1130 MCF/D, with an SIPC of 2408 psia and an SIPT of 1361 psia. The spacing unit for this well is described as the W/2 of Section 5, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 236, located 1550' from the North line and 1085' from the East line of Section 6, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 26, 1978, and completed on May 16, 1979, at a plugged back total depth of 7159'. The Dakota formation at the intervals of 6950', 6956', 6962', 6968', 7035', 7042', 7073', 7078', 7083', 7105', 7113', 7122', 7134', 7152', was treated with a sand-water fracturing process on May 2, 1979. The well was shut-in on May 9, 1979, and after being shut-in for eleven (11) days, the Dakota Formation was tested on May 16, 1979, using the Pitot tube method with an after frac gauge of 1200 MCF/D, with an SIPC of 2545 psia and an SIPT of 1862 psia. The spacing unit for this well is described as the E/2 of Section 6, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 254, located 850' from the South line and 800' from the West line of Section 6, Township 27 North, Range 7 West, N.M.P.M., was spudded on January 27, 1979, and completed on May 8, 1979, at a plugged back total depth of 7802'. The Dakota formation at the intervals of 7610', 7613', 7685', 7688', 7725', 7730', 7767', 7788', 7796', 7800', was treated with a sand-water fracturing process on April 29, 1979. The well was shut-in on May 1, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on May 8, 1979, using the Pitot tube method with an after frac gauge of 944 MCF/D, with an SIPC of 2387 psia and an SIPT of 2132 psia. The spacing unit for

this well is described as the W/2 of Section 6, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 253, located 790' from the North line and 970' from the East line of Section 7, Township 27 North, Range 7 West, N.M.P.M., was spudded on January 13, 1979, and completed on May 14, 1979, at a plugged back total depth of 7789'. The Dakota formation at the intervals of 7520', 7587', 7593', 7664', 7700', 7706', 7727', 7734', 7744', 7762', 7774', was treated with a sand-water fracturing process on May 2, 1979. The well was shut-in on May 5, 1979, and after being shut-in for nine (9) days, the Dakota Formation was tested on May 14, 1979, using the Pitot tube method with an after frac gauge of 175 MCF/D, with an SIPC of 2510 psia and an SIPT of 1411 psia. The spacing unit for this well is described as the E/2 of Section 7, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 113, located 890' from the North line and 800' from the East line of Section 18, Township 27 North, Range 7 West, N.M.P.M., was spudded on November 14, 1978, and completed on May 21, 1979, at a plugged back total depth of 7579'. The Dakota formation at the intervals of 7326', 7332', 7346', 7394', 7431', 7437', 7460', 7469', 7480', 7491', 7505', 7514', 7527', 7537', 7554', was treated with a sand-water fracturing process on May 10, 1979. The well was shut-in on May 13, 1979, and after being shut-in for eight (8) days, the Dakota Formation was tested on May 21, 1979, using the Pitot tube method with an after frac gauge of 555 MCF/D, with an SIPC of 2432 psia and an SIPT of 2432 psia. The spacing unit for this well is described as the E/2 of Section 18, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 237, located 1600' from the North line and 1180' from the East line of Section 19, Township 27 North, Range 7 West, N.M.P.M., was spudded on October 3, 1978, and completed on May 30, 1979, at a plugged back total depth of 7625'. The Dakota formation at the intervals of 7357', 7380', 7420', 7459', 7467', 7486', 7495', 7508', 7514', 7529', 7549', 7576', 7582', was treated with a sand-water fracturing process on May 19, 1979. The well was shut-in on May 23, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on May 30, 1979, using the Pitot tube method with an after frac gauge of 527 MCF/D, with an SIPC of 2312 psia and an SIPT of 1264 psia. The spacing unit for this well is described as the E/2 of Section 19, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 110, located 1450' from the South line and 1450' from the West line of Section 19, Township 27 North, Range

7 West, N.M.P.M., was spudded on October 23, 1978, and completed on May 30, 1979, at a plugged back total depth of 7465'. The Dakota formation at the intervals of 7239', 7245', 7297', 7337', 7346', 7357', 7363', 7372', 7388', 7401', 7414', 7434', 7442', 7452', was treated with a sand-water fracturing process on May 15, 1979. The well was shut-in on May 19, 1979, and after being shut-in for eleven (11) days, the Dakota Formation was tested on May 30, 1979, using the Pitot tube method with an after frac gauge of 283 MCF/D, with an SIPC of 2232 psia and an SIPT of 1932 psia. The spacing unit for this well is described as the W/2 of Section 19, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 111, located 2320' from the South line and 1060' from the West line of Section 20, Township 27 North, Range 7 West, N.M.P.M., was spudded on September 9, 1978, and completed on June 1, 1979, at a plugged back total depth of 7519'. The Dakota formation at the intervals of 7293', 7359', 7373', 7403', 7408', 7426', 7431', 7438', 7454', 7470', 7492', was treated with a sand-water fracturing process on May 23, 1979. The well was shut-in on May 25, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on June 1, 1979, using the Pitot tube method with an after frac gauge of 602 MCF/D, with an SIPC of 2157 psia and an SIPT of 1517 psia. The spacing unit for this well is described as the W/2 of Section 20, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 217, located 1120' from the North line and 1740' from the East line of Section 28, Township 27 North, Range 7 West, N.M.P.M., was spudded on July 30, 1978, and completed on October 2, 1978, at a plugged back total depth of 7479'. The Dakota formation at the intervals of 7222', 7227', 7292', 7328', 7334', 7340', 7353', 7364', 7388', 7409', 7423', 7449', was treated with a sand-water fracturing process on September 19, 1978. The well was shut-in on September 21, 1978, and after being shut-in for eleven (11) days, the Dakota Formation was tested on October 2, 1978, using the Pitot tube method with an after frac gauge of 1236 MCF/D, with an SIPC of 2357 psia and an SIPT of 1012 psia. The spacing unit for this well is described as the N/2 of Section 28, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 99, located 795' from the South line and 1635' from the West line of Section 29, Township 27 North, Range 7 West, N.M.P.M., was spudded on August 19, 1978, and completed on June 6, 1979, at a plugged back total depth of 7481'. The Dakota formation at the intervals of 7284', 7292', 7300', 7350', 7368', 7384', 7391', 7398', 7410', 7422', 7436', 7444', 7456', 7478', 7484', was treated with a sand-water fracturing process on May 27, 1979. The well was shut-in on May 30, 1979, and after

being shut-in for seven (7) days, the Dakota Formation was tested on June 6, 1979, using the Pitot tube method with an after frac gauge of 325 MCF/D, with an SIPC of 1842 psia and an SIPT of 1437 psia. The spacing unit for this well is described as the W/2 of Section 29, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 100, located 800' from the North line and 940' from the East line of Section 30, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 11, 1978, and completed on June 11, 1979, at a plugged back total depth of 6955'. The Dakota formation at the intervals of 6689', 6735', 6739', 6748', 6775', 6780, 6785', 6804', 6814', 6825', 6830', 6848', 6854', 6870', was treated with a sand-water fracturing process on June 2, 1979. The well was shut-in on June 4, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on June 11, 1979, using the Pitot tube method with an after frac gauge of 646 MCF/D, with an SIPC of 2287 psia and an SIPT of 1307 psia. The spacing unit for this well is described as the E/2 of Section 30, Township 27 North, Range 7 West, N.M.P.M.

Unit Well No. 247, located 825' from the South line and 1970' from the West line of Section 11, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 3, 1978, and completed on February 14, 1979, at a plugged back total depth of 7466'. The Dakota formation at the intervals of 7218', 7222', 7227', 7232', 7253', 7322, 7326', 7331', 7351', 7366', 7389', 7392', 7395', was treated with a sand-water fracturing process on February 3, 1979. The well was shut-in on February 7, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on February 14, 1979, using the Pitot tube method with an after frac gauge of 1120 MCF/D, with an SIPC of 2572 psia and an SIPT of 2362 psia. The spacing unit for this well is described as Lot 1, SE/4 SE/4 of Section 10 and Lots 2,3,4, S/2 S/2 of Section 11, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 246, located 1150' from the South line and 245' from the East line of Section 7, Township 28 North, Range 7 West, N.M.P.M., was spudded on September 30, 1978, and completed on December 11, 1978, at a plugged back total depth of 8020'. The Dakota formation at the intervals of 7773', 7780', 7788', 7795', 7802', 7867, 7906', 7933', 7950', 7955', 7984', was treated with a sand-water fracturing process on November 27, 1978. The well was shut-in on November 29, 1978, and after being shut-in for twelve (12) days, the Dakota Formation was tested on December 11, 1978, using the Pitot tube method with an after frac gauge of 2047 MCF/D, with an SIPC of 2462 psia and an SIPT of 1992 psia. The spacing unit for this well is described as Lot 1,

S/2 SE/4, SE/4 SW/4 of Section 7 and Lot 4, S/2 SW/4, SW/4 SE/4 of Section 8, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 199, located 2120' from the South line and 800' from the West line of Section 19, Township 28 North, Range 7 West, N.M.P.M., was spudded on August 27, 1978, and completed on November 27, 1978, at a plugged back total depth of 7353'. The Dakota formation at the intervals of 7150', 7156', 7163', 7169', 7238', 7273, 7279', 7299', 7307', 7319', 7325', was treated with a sand-water fracturing process on November 16, 1978. The well was shut-in on November 27, 1978, and after being shut-in for seven (7) days, the Dakota Formation was tested on November 27, 1978, using the Pitot tube method with an after frac gauge of 916 MCF/D, with an SIPC of 2392 psia and an SIPT of 1432 psia. The spacing unit for this well is described as Lot 4, E/2 SW/4 of Section 18 and Lots 1,2,3, E/2 NW/4, NE/4 SW/4 of Section 19, Township 28 North, Range 7 West, N.M.P.M.

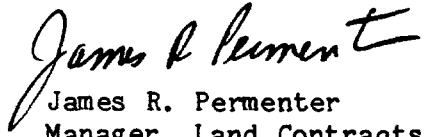
Unit Well No. 250, located 2500' from the South line and 1475' from the West line of Section 30, Township 28 North, Range 7 West, N.M.P.M., was spudded on August 15, 1978, and completed on November 21, 1978, at a plugged back total depth of 7203'. The Dakota formation at the intervals of 6963', 6970', 6977', 7061', 7083', 7118, 7126', 7133', 7140', 7147', 7169', 7178', was treated with a sand-water fracturing process on November 13, 1978. The well was shut-in on November 14, 1978, and after being shut-in for seven (7) days, the Dakota Formation was tested on November 21, 1978, using the Pitot tube method with an after frac gauge of 916 MCF/D, with an SIPC of 2412 psia and an SIPT of 2407 psia. The spacing unit for this well is described as Lot 4, SE/4 SW/4 of Section 19 and Lots 1,2,3,4, E/2 NW/4, NE/4 SW/4 of Section 30, Township 28 North, Range 7 West, N.M.P.M.

Unit Well No. 251, located 2025' from the North line and 1325' from the East line of Section 31, Township 28 North, Range 7 West, N.M.P.M., was spudded on January 4, 1979, and completed on May 15, 1979, at a plugged back total depth of 7056'. The Dakota formation at the intervals of 6824', 6828', 6832', 6836', 6910', 6945', 6950', 6955', 6986', 7002', was treated with a sand-water fracturing process on May 5, 1979. The well was shut-in on May 8, 1979, and after being shut-in for seven (7) days, the Dakota Formation was tested on May 15, 1979, using the Pitot tube method with an after frac gauge of 394 MCF/D, with an SIPC of 2435 psia and an SIPT of 2330 psia. The spacing unit for this well is described as SE/4 SW/4 of Section 30 and Lot 1, E/2 NW/4, NE/4 of Section 31, Township 28 North, Range 7 West, N.M.P.M.

All twenty-seven (27) of the drilling blocks for the above-described wells are included within the existing San Juan 28-7 Unit Dakota Participating Area; therefore, the Dakota 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,


James R. Permenter
Manager, Land Contracts
and Titles
Land Department
Exploration

JRP:RHN:pw
Attachment
San Juan 28-7 4.3.1.

cc: Mr. Antonio Martinez

SAN JUAN 28-7 UNIT
Working Interest Owners

Elizabeth Jeanne Turner Calloway

Continental Oil Company

Southern Methodist University

University of Texas Law School Foundation

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mrs. Thelma Ford Simmons

Tenneco Oil Company

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., as Trustee

John Lee Turner

The Wiser Oil Company

El Paso NATURAL GAS
COMPANY

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

May 8, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

445

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

Gentlemen:

The addition to the 1980 Drilling Program for the below listed San Juan 28-7 Unit was approved by the regulatory bodies on the data indicated:

<u>USGS</u>	<u>CPL</u>	<u>OCD</u>
5-2-80	3-25-80	4-3-80

Copies of this letter are being sent to the working interest owners of the above unit.

Very truly yours,



R. H. Nordhausen
Senior Landman
Land Department

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MAY 12 1980
SANTA FE

RHN/en
SJ 28-7 Unit, 3.0

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

(Mr. W. H. Riddle)

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

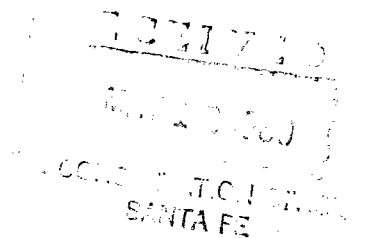
John Lee Turner

Union Oil Company of California
(Casper, Wyoming)

Union Oil Company of California
Midland, Texas

University of Texas Law School Foundation

The Wiser Oil Company



El Paso NATURAL GAS
COMPANY

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

March 13, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
Addition to 1980 DRILLING PROGRAM

Gentlemen:

The 1980 Drilling Program for the San Juan 28-7 Unit which was submitted to you by our letter of November 16, 1979 has been approved. Tenneco Oil has proposed the drilling 10 additional wells for completion from the Dakota formation. Concurring with such proposal, El Paso Natural Gas Company proposes that the following wells be added to the 1980 Drilling Program for the San Juan 28-7 Unit for completion from the Dakota formation.

<u>Well No.</u>	<u>Location</u>
#242 E	NW/4 SW/4 Sec. 7, T-28-N, R-7-W
#246 E	SE/4 SW/4 Sec. 8, T-28-N, R-7-W
#241 E	SW/4 SE/4 Sec. 9, T-28-N, R-7-W
#234 E	NE/4 Sec. 15, T-28-N, R-7-W
#255 E	SW/4 Sec. 15, T-28-N, R-7-W
#195 E	NE/4 Sec. 16, T-28-N, R-7-W
#231 E	SW/4 Sec. 16, T-28-N, R-7-W
#256 E	SE/4 Sec. 17, T-28-N, R-7-W
#239 E	NW/4 Sec. 17, T-28-N, R-7-W
#248 E	SE/4 Sec. 18, T-28-N, R-7-W

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Division
Page Two

If this addition to the 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

DNC/RHN/sfg
Attachments
San Juan 28-7 Unit, 3.0

Approved MAY 02 1980

ACTING Deputy Conservation Manager, O&G
South Central Region

APPROVED: _____

Area Oil and Gas Supervisor
United States Geological Survey
(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
United States Geological Survey
& the Oil Conservation Division)

DATED: March 25, 1980

APPROVED: _____

Oil Conservation Division
(Subject to like approval by the
United States Geological Survey
& the Commissioner of Public Lands)

DATED: _____

The foregoing approvals are for the addition to the 1980
Drilling Program for the San Juan 28-7 Unit #14-08-001-459,
Rio Arriba County, New Mexico.

APPROVED:

Area Oil and Gas Supervisor
United States Geological Survey
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

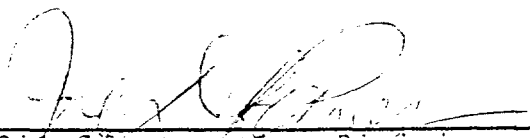
DATED: _____

APPROVED:

Commissioner of Public Lands
(Subject to like approval by the
United States Geological Survey
& the Oil Conservation Division)

DATED: _____

APPROVED:



Oil Conservation Division
(Subject to like approval by the
United States Geological Survey
& the Commissioner of Public Lands)

DATED: 4/3/80

The foregoing approvals are for the addition to the 1980
Drilling Program for the San Juan 28-7 Unit #14-08-001-459,
Rio Arriba County, New Mexico.



United States Department of the Interior

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

MAY 02 1980

El Paso Natural Gas Company
Attention: D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Let's

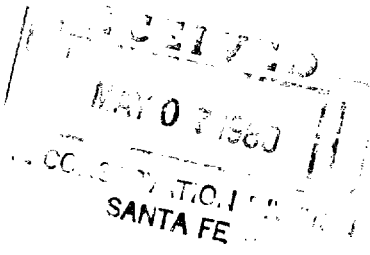
Gentlemen:

Three approved copies of your 1980 supplemental plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill 10 additional wells for completion from the Dakota formation, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

Jack Willock
Acting Deputy Conservation Manager,
Oil and Gas



Enclosures 3

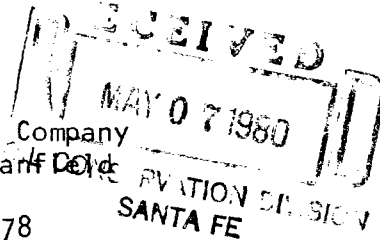
cc:
NMOCD, Santa Fe



United States Department of the Interior

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

El Paso Natural Gas Company
Attention: D. N. Carr
P. O. Box 1492
El Paso, Texas 79978



MAY 02 1980

405

Gentlemen:

Two approved copies of your 1980 plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill ten Pictured Cliffs-Mesaverde wells and any offset wells to prevent drainage of unitized substances, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

Acting Deputy Conservation Manager,
Oil and Gas

Enclosures

cc:
NMOCD, Santa Fe/

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

April 2, 1980

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 445
San Juan 28-7 Unit
1980 Drilling Program
Addition

Gentlemen:

We hereby approve the Addition to the 1980 Drilling Program for the San Juan 28-7 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 Addition is returned herewith.

Yours very truly,

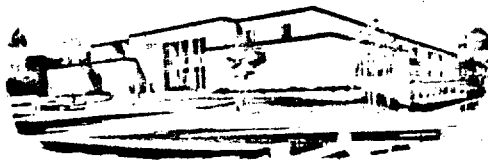
JOE D. RAMEY
Director

JDR/EP/fd
enc.

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

C
O
P
Y

State of New Mexico



Commissioner of Public Lands

March 25, 1980

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

ccs

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
Addition to 1980 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your addition to the 1980 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. Such plan proposes the drilling of 10 additional wells in the Dakota. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

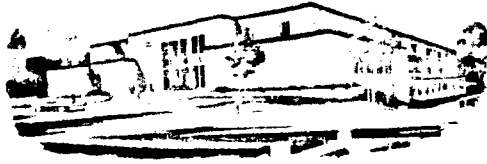
AJA/RDG/s
encl.
cc:

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

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

March 24, 1980

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 29-7 Unit
Rio Arriba County, New Mexico
1980 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1980 Drilling Program for the San Juan 29-7 Unit, Rio Arriba County, New Mexico. Such plan provides for the drilling of wells no. 84A, 32E, 109M, 110M, 111M, 112M, 114M, 30A, 60A, 61A, 70A and 77A. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encls.
cc:

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

El Paso NATURAL GAS
COMPANY

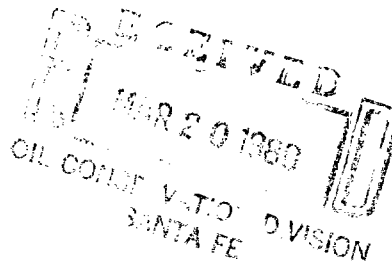
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

March 13, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

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 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
Addition to 1980 DRILLING PROGRAM

Gentlemen:

The 1980 Drilling Program for the San Juan 28-7 Unit which was submitted to you by our letter of November 16, 1979 has been approved. Tenneco Oil has proposed the drilling 10 additional wells for completion from the Dakota formation. Concurring with such proposal, El Paso Natural Gas Company proposes that the following wells be added to the 1980 Drilling Program for the San Juan 28-7 Unit for completion from the Dakota formation.

<u>Well No.</u>	<u>Location</u>
#242 E	NW/4 SW/4 Sec. 7, T-28-N, R-7-W
#246 E	SE/4 SW/4 Sec. 8, T-28-N, R-7-W
#241 E	SW/4 SE/4 Sec. 9, T-28-N, R-7-W
#234 E	NE/4 Sec. 15, T-28-N, R-7-W
#255 E	SW/4 Sec. 15, T-28-N, R-7-W
#195 E	NE/4 Sec. 16, T-28-N, R-7-W
#231 E	SW/4 Sec. 16, T-28-N, R-7-W
#256 E	SE/4 Sec. 17, T-28-N, R-7-W
#239 E	NW/4 Sec. 17, T-28-N, R-7-W
#248 E	SE/4 Sec. 18, T-28-N, R-7-W

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Division
Page Two

If this addition to the 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

DNC/RHN/sfg
Attachments
San Juan 28-7 Unit, 3.0

SAN JUAN 28-7 UNIT
WORKING INTEREST OWNERS

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Conoco, Inc.

Getty Oil Company

Koch Industries, Inc.

Dixie M. McLane
Grandchildren's Trust

Mesa Petroleum Company (2)
Amarillo, Texas

Mesa Petroleum Company
Denver, Colorado

Waymon G. Peavy

(Mr. W. H. Riddle)

Mrs. Thelma Ford Simmons

Southern Methodist University

Tenneco Oil

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr.,
as Trustee

John Lee Turner

Union Oil Company of California
(Casper, Wyoming)

Union Oil Company of California
Midland, Texas

University of Texas Law School Foundation

The Wiser Oil Company

APPROVED:

Area Oil and Gas Supervisor
United States Geological Survey
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

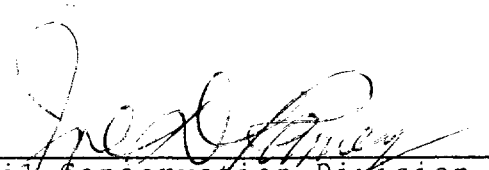
DATED: _____

APPROVED:

Commissioner of Public Lands
(Subject to like approval by the
United States Geological Survey
& the Oil Conservation Division)

DATED: _____

APPROVED:



Oil Conservation Division
(Subject to like approval by the
United States Geological Survey
& the Commissioner of Public Lands)

DATED: 4/3/80

The foregoing approvals are for the addition to the 1980
Drilling Program for the San Juan 28-7 Unit #14-08-001-459,
Rio Arriba County, New Mexico.

March 11, 1980

Area Oil & Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

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

Gentlemen:

The 1980 Drilling Program for the below listed units were approved by the regulatory bodies on the dates indicated:

<u>Unit</u>	<u>USGS</u>	<u>CPL</u>	<u>OCC</u>
San Juan 27-5	2-01-80	1-21-80	2-21-80
San Juan 28-7	2-29-80	11-30-79	1-07-80
San Juan 30-6	2-01-80	12-05-79	1-07-80
San Juan 32-9	2-04-80	12-05-79	1-07-80
Rincon	3-07-80	12-05-79	1-07-80

Copies of this letter are being sent to the working interest owners of the above units.

Very truly yours,

RH Nordhausen

R. H. Nordhausen
Senior Landman
Land Department
Energy Resource Development

RHN:en

SJ 27-5, 3.0; SJ 28-7, 3.0;
SJ 30-6, 3.0; SJ 32-9, 3.0;
Rincon, 3.0

500 }
445 ✓ } Copy for
443 }
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United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

FEB 23 1980

SANTA FE

UUS

El Paso Natural Gas Company
Attention: D.N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

The 1980 plan of development submitted for the San Juan 28-7 unit area, San Juan County, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes the drilling of ten Pictured Cliffs-Mesaverde wells and one approved copy is enclosed.

Sincerely yours,

ROBERT L. BROWN

for Area Oil and Gas Supervisor
SRMA

Enclosure

cc: NMOCD, Santa Fe (1tr only) ← This Copy for



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 7, 1980

El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 445
San Juan 28-7 Unit
1980 Drilling Program

Gentlemen:

We hereby approve the 1980 Drilling Program for the San Juan 28-7 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 Drilling Program is 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

**EL PASO NATURAL GAS
COMPANY**

PAID 10/1/80
TEL. 505-761-1111
FIDELITY & SECURITY

January 23, 1979

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Gentlemen:

The 1979 Drilling Program for the below listed units were approved by the regulatory bodies on the dates indicated:

<u>Unit</u>	<u>USGS</u>	<u>CPL</u>	<u>OCC</u>
540 San Juan 27-5	1-17-79	1-10-79	1-11-79
553 San Juan 28-5	1-17-79	N/A	1-11-79
✓445 San Juan 28-7	1-17-79	1-10-79	1-11-79
493 San Juan 30-6	1-17-79	1-10-79	1-11-79
492 San Juan 32-9	1-17-79	1-10-79	1-16-79
541 Canyon Largo	1-17-79	1-10-79	1-11-79
549 Rincon	1-17-79	1-10-79	1-11-79

Copies of this letter are being sent to the working interest owners of the above units.

Very truly yours,

RH Nordhausen

R. H. Nordhausen
Senior Landman
Land Department
Energy Resource Development

RHN:pw

SJ 27-5, 3.0; SJ 28-5, 3.0; SJ 28-7, 3.0;
SJ 30-6, 3.0; SJ 32-9, 3.0; Canyon Largo, 3.0;
Rincon, 3.0
Attachment

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Continental Oil Company

Southern Methodist University

University of Texas Law School Foundation

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming

Union Oil Company of California

The Wiser Oil Company

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Continental Oil Company

Southern Methodist University

University of Texas Law School Foundation

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming

Union Oil Company of California

The Wiser Oil Company



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

JAN 17 1979

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

No. 445

Gentlemen:

Two approved copies of your 1979 plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Pictured Cliffs well and 10 Mesaverde wells, are enclosed. Such plan was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SRMA

Enclosures (2)

cc:
NMOCD, Santa Fe (ltr. only) *This copy for*
Com. Pub. Lands, Santa Fe (ltr. only)

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 11, 1979

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 445
San Juan 28-7 Unit
1979 Drilling Program

Gentlemen:

We hereby approve the 1979 Drilling Program for the San Juan 28-7 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 Drilling Program is returned herewith.

Yours very truly,

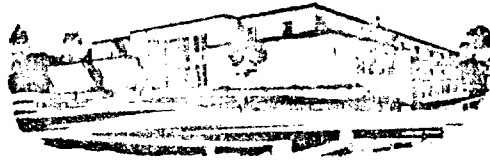
JOE D. RAMEY
Director

JDR/LT/fd
enc.

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

C
O
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State of New Mexico



Commissioner of Public Lands

January 10, 1979

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

no. 445

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1979 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1979 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. Such plan provides for the drilling of 10 Mesaverde wells and one Pictured Cliffs well. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

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

AJA/RDG/s
encl.

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

January 4, 1979

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Approved
No. 445

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1979 DRILLING PROGRAM

Gentlemen:

By letter dated January 20, 1978, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1978 providing for the drilling of 27 Dakota wells within the existing Dakota Participating Area. Of these wells, eight have been completed as wells capable of producing unitized substances in paying quantities, one has been completed and is waiting to be tested, 13 have been drilled and are waiting to be completed, one is being drilled and four have not yet been spudded.

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs	39
Mesaverde	50
Dual PC/MV	26
Dual PC/Chacra	15
Dual MV/DK	2
Dakota	74
Dakota, Waiting on Test	1
Dakota, Waiting on Completion	13
Dakota, Drilling	1

January 4, 1979

Chacra	9
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Non-Commercial Dakota	1
Plugged and Abandoned	2
Dual PC/Chacra (Chacra Non-Commercial)	1
	<u>240</u>

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1979:

<u>Well No.</u>	<u>Location</u>	<u>Formation</u>
44A	E/2 Section 2, T-27-N, R-7-W	Mesaverde
29A	S/2 Section 7, T-28-N, R-7-W	Mesaverde
21A	S/2 Section 9, T-28-N, R-7-W	Mesaverde
55A	S/2 Section 12, T-28-N, R-7-W	Mesaverde
56A	W/2 Section 13, T-28-N, R-7-W	Mesaverde
24A	E/2 Section 14, T-28-N, R-7-W	Mesaverde
22A	E/2 Section 17, T-28-N, R-7-W	Mesaverde
48A	W/2 Section 21, T-28-N, R-7-W	Mesaverde
50A	E/2 Section 23, T-28-N, R-7-W	Mesaverde
72A	W/2 Section 35, T-28-N, R-7-W	Mesaverde
198	E/2 Section 12, T-27-N, R-7-W	Pictured Cliffs

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,

D N Canfield

D. N. Canfield
Director of Land
Energy Resource Development

APPROVED:

Regional Oil & Gas Supervisor
United States Geological Survey
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission)

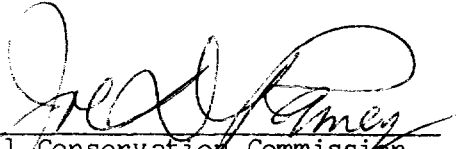
DATED: _____

APPROVED:

Commissioner of Public Lands
(Subject to like approval by the
United States Geological Survey
& the Oil Conservation Commission)

DATED: _____

APPROVED:


Oil Conservation Commission
(Subject to like approval by the
United States Geological Survey
& the Commissioner of Public Lands)

DATED: 1/11/79

The foregoing approvals are for the 1979 Drilling Program for the San Juan 28-7
Unit #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Elizabeth Jeanne Turner Calloway

Continental Oil Company

Southern Methodist University

University of Texas Law School Foundation

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Frederick Eugene Turner

James Glenn Turner, Jr.

James Glenn Turner, Jr., as Trustee

John Lee Turner

Union Oil Company of California
Casper, Wyoming

Union Oil Company of California

The Wiser Oil Company

April 20, 1978

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

No. 445

Gentlemen:

The 1978 Drilling Programs for the below listed units were approved by the regulatory bodies on the dates indicated:

<u>Unit</u>	<u>USGS</u>	<u>CPL</u>	<u>OCC</u>
San Juan 28-5	2-3-78	N/A	1-26-78
San Juan 28-7	2-3-78	1-25-78	1-26-78
San Juan 29-7	3-6-78	1-19-78	1-17-78
San Juan 30-6	1-27-78	1-19-78	1-17-78
San Juan 32-9	1-27-78	1-19-78	2-8-78
Canyon Largo	3-6-78	1-19-78	1-17-78
Rincon	1-31-78	1-19-78	1-16-78

Copies of this letter are being sent to the working interest owners of the above units.

Very truly yours,

RH Nordhausen

R. H. Nordhausen
Senior Landman
Land Department
Energy Resource Development

RHN:paw
SJ 28-5, 3.0; SJ 28-7, 3.0; SJ 29-7, 3.0;
SJ 30-6, 3.0; SJ 32-9, 3.0; Canyon Largo 3.0;
Rincon, 3.0

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

FEB -6 1978
CONSERVATION COMMISSION
Santa Fe

FEB 03 1978

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79973

No. 445

Gentlemen:

The 1978 plan of development submitted for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes the drilling of twenty-seven Dakota wells, and three approved copies are enclosed.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

AREA OIL AND GAS SUPERVISOR, SRMA

Enclosures

cc:

NMOCC, Santa Fe (1tr. only)
Com. Pub. Lands, Santa Fe (1tr. only)

/// This Copy for

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 26, 1978

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 445
San Juan 28-7 Unit
1978 Drilling Program

Gentlemen:

We hereby approve the 1978 Drilling Program for the San Juan 28-7 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 Drilling Program is returned herewith.

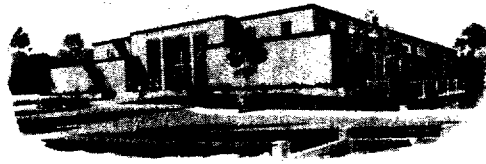
Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/LT/fd
enc.

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

State of New Mexico



RECEIVED
JAN 26 1978

Oil Conservation Commission

Commissioner of Public Lands

PHIL R. LUCERO
COMMISSIONER

January 25, 1978

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1978 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved the 1978 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. This drilling program calls for the drilling of 22 Dakota wells during 1978.

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.

Please remit a Three Dollar filing fee.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

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

PRL/RDG/s
encl.

cc: OCC-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

January 20, 1978

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

25, 415

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1978 DRILLING PROGRAM

Gentlemen:

By letter dated February 25, 1977, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1977 providing for the drilling of ten Dakota wells within the existing Dakota Participating Area. All of these wells have been completed as wells capable of producing unitized substances in paying quantities.

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs	39
Mesaverde	50
Dual PC/MV	26
Dual PC/Chacra	15
Dual MV/DK	2
Dakota	66
Chacra	9
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Non-Commercial Dakota	1
Plugged and Abandoned	2
Dual PC/Chacra (Chacra Non-Commercial)	1
	<u>217</u>

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following Dakota wells during the calendar year 1978:

<u>Well No.</u>	<u>Standard Drilling Blocks</u>
195	E/2 Section 16, T-28-N, R-7-W
248	E/2 Section 18, T-28-N, R-7-W
249	E/2 Section 30, T-28-N, R-7-W
252	W/2 Section 32, T-28-N, R-7-W
192	W/2 Section 33, T-28-N, R-7-W
255	W/2 Section 15, T-28-N, R-7-W
256	E/2 Section 17, T-28-N, R-7-W
257	E/2 Section 19, T-28-N, R-7-W
258	W/2 Section 23, T-28-N, R-7-W
259	W/2 Section 24, T-28-N, R-7-W
260	E/2 Section 5, T-27-N, R-7-W
261	W/2 Section 5, T-27-N, R-7-W
236	E/2 Section 6, T-27-N, R-7-W
254	W/2 Section 6, T-27-N, R-7-W
253	E/2 Section 7, T-27-N, R-7-W
113	E/2 Section 18, T-27-N, R-7-W
237	E/2 Section 19, T-27-N, R-7-W
110	W/2 Section 19, T-27-N, R-7-W
111	W/2 Section 20, T-27-N, R-7-W
217	N/2 Section 28, T-27-N, R-7-W
99	W/2 Section 29, T-27-N, R-7-W
100	E/2 Section 30, T-27-N, R-7-W

<u>Well No.</u>	<u>Non-Standard Drilling Blocks</u>
247	Lot 1, SE/4 SE/4 Section 10 and Lots 2, 3, 4, S/2 S/2 Section 11 T-28-N, R-7-W
246	Lot 1, S/2 SE/4, SE/4 SW/4 Sec. 7 and Lot 4, S/2 SW/4, SW/4 SE/4 Sec. 8, T-28-N, R-7-W
199	Lot 4, E/2 SW/4 Section 18 and Lots 1, 2, 3, E/2 NW/4, NE/4 SW/4 Section 19, T-28-N, R-7-W
250	Lot 4, SE/4 SW/4 Section 19 and Lots 1, 2, 3, 4, E/2 NW/4, NE/4 SW/4 Section 30, T-28-N, R-7-W
251	SE/4 SW/4 Section 30 and Lot 1, E/2 NW/4, NE/4 Section 31 T-28-N, R-7-W

January 18, 1978

Page 3.

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,

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is fluid and cursive, with a large initial "D" and "C".

D. N. Canfield
Director of Land
Energy Resource Development

DNC:RHN:sas
Attachments
San Juan 28-7 Unit, 3.0

APPROVED:

Regional Oil & Gas Supervisor
United States Geological Survey
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission)

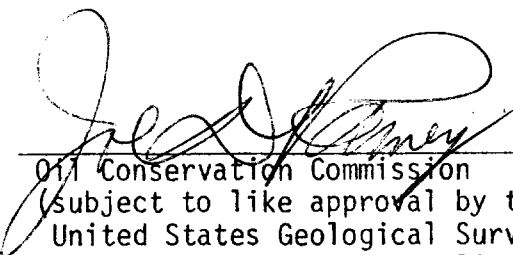
DATED: _____

APPROVED:

Commissioner of Public Lands
(subject to like approval by the
United States Geological Survey
& the Oil Conservation Commission)

DATED: _____

APPROVED:


Oil Conservation Commission
(subject to like approval by the
United States Geological Survey
& the Commissioner of Public Lands)

DATED: 1/26/78

The foregoing approvals are for the 1978 Drilling Program for the
San Juan 28-7 Unit #14-08-001-459, Rio Arriba County, New Mexico

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

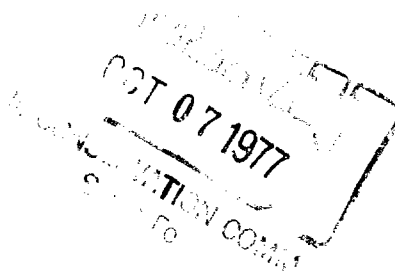
Union Oil Company of California
Casper, Wyoming

Union Oil Company of California

The Wiser Oil Company

El Paso NATURAL GAS
COMPANY

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



October 5, 1977

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 28-7 Unit #14-08-001-459
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Dakota Formation

Gentlemen:

Pursuant to Section 11 of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the test dates indicated that ten (10) additional wells capable of producing unitized substances in paying quantities from the Dakota Formation have been completed upon acreage committed to this Unit.

These wells are as follows:

The San Juan 28-7 Unit #134 Well, located 1460' from the South line and 1840' from the West line of Section 21, Township 28 North, Range 7 West, NMPM, was spudded on 4/11/77, and completed on 7/8/77 at a total depth of 7105'. The Dakota formation at the intervals of 6893', 6900', 6916', 7012', 7022', 7042', 7050', 7059' and 7076' was treated with a sand-water fracturing process on June 29, 1977. The well was shut-in on July 1, 1977 and after being shut-in for seven (7) days, the Dakota formation was tested on July 8, 1977, using the Pitot tube method, with an after frac gauge of 344 MCF/D, with an SIPC of 2580 psia and an SIPT of 2570 psia. The spacing unit for this well is described as the W/2 of Section 21, Township 28 North, Range 7 West, NMPM, containing 320.00 acres.

The San Juan 28-7 Unit #219 Well, located 810' from the South line and 2260' from the West line of Section 20, Township 28 North, Range 7 West, NMPM, was spudded on 3/1/77, and completed on 7/5/77, at a total depth of 7091'. The Dakota formation at the intervals of 6870', 6879', 6893', 6990', 6998', 7024', 7041' and 7048' was treated with a sand-water fracturing process on 6/24/77. The well was shut-in on 6/28/77, and after being shut-in for seven (7) days, the Dakota formation was tested on 7/5/77, using the Pitot tube method with an after frac guage of 309 MCF/D, with an SIPC of 2468 psia and an SIPT of 2213 psia. The spacing unit for this well is described as the West of Section 20, Township 28 North, Range 7 West, NMPM, containing 320.00 acres.

The San Juan 28-7 Unit #221 Well, located 880' from the North line and 1830' from the East line of Section 25, Township 28 North, Range 7 West, NMPM, was spudded on 3/25/77, and completed on 7/20/77 at a total depth of 7395'. The Dakota formation at the intervals of 7200', 7214', 7231', 7234', 7310', 7315', 7321', 7367' and 7370' was treated with a sand-water fracturing process on 7/6/77. The well was shut-in on 7/7/77 and after being shut-in for thirteen (13) days, the Dakota formation was tested on 7/20/77, using the Pitot tube method with an after frac guage of 2264 MCF/D, with an SIPC of 2672 psia and an SIPT of 2301 psia. The spacing unit for this well is described as the E/2 of Section 25, Township 28 North, Range 7 West, NMPM, containing 320.00 acres.

The San Juan 28-7 Unit #223 Well, located 1710' from the North line and 1135' from the East line of Section 26, Township 28 North, Range 7 West, NMPM, was spudded on 3/30/77, and completed on 6/23/77, at a total depth of 7795'. The Dakota formation at the intervals of 7576', 7588', 7592', 7608', 7618', 7694', 7699', 7704', 7736' and 7766' was treated with a sand-water fracturing process on 6/12/77. The well was shut-in on 6/14/77 and after being shut-in for nine (9) days, the Dakota formation was tested on 7/23/77 using the Pitot tube method with an after frac guage of 2695 MCF/D, with an SIPC of 2635 psia and an SIPT of 2035 psia. The spacing unit for this well is described as the E/2 of Section 26, Township 28 North, Range 7 West, NMPM, containing 320.00 acres.

The San Juan 28-7 Unit #225 Well, located 970' from the North line and 860' from the East line of Section 34, Township 28 North, Range 7 West, NMPM, was spudded on 3/14/77, and completed on 7/11/77 at a total depth of 7205'. The Dakota formation at the intervals of 6987', 6996', 7012', 7108', 7114', 7120', 7144' and 7187' was treated with a sand-water fracturing process on 7/3/77. The well was shut-in on 7/4/77 and after being shut-in for seven (7) days, the Dakota formation was tested on 7/11/77, using the Pitot tube method with an after frac gauge of 1841 MCF/D with an SIPC of 2630 psia and an SIPT of 1801 psia. The spacing unit for this well is described as the E/2 of Section 34, Township 28 North, Range 7 West, NMPM, containing 320.87 acres.

The San Juan 28-7 Unit #226 Well, located 1110' from the South line and 1480' from the West line of Section 36, Township 28 North, Range 7 West, NMPM, was spudded on 4/5/77 and completed on 7/18/77 at a total depth of 7341'. The Dakota formation at the intervals of 7053', 7075', 7085', 7177', 7184', 7232', 7257', 7302' and 7308' was treated with a sand-water fracturing process on 7/9/77. The well was shut-in on 7/11/77 and after being shut-in for seven (7) days, the Dakota formation was tested on 7/18/77 using the Pitot tube method with an after frac gauge of 1892 MCF/D, with an SIPC of 2624 psia and an SIPT of 1215 psia. The spacing unit for this well is described as the W/2 of Section 36, Township 28 North, Range 7 West, NMPM, containing 328.82 acres.

The San Juan 28-7 Unit #233 Well, located 1460' from the North line and 1000' from the West line of Section 14, Township 28 North, Range 7 West, NMPM, was spudded on 5/1/77 and completed on 7/27/77 at a total depth of 7417'. The Dakota formation at the intervals of 7200', 7205', 7227', 7305', 7310', 7315' and 7390' was treated with a sand-water fracturing process on 6/18/77. The well was shut-in on 6/19/77 and after being shut-in for eight (8) days, the Dakota formation was tested on 6/27/77 using the Pitot tube method with an after frac gauge of 646 MCF/D with an SIPC of 2670 psia and an SIPT of 2351 psia. The spacing unit for this well is described as the N/2 of Section 14, Township 28 North, Range 7 West, NMPM, containing 320.00 acres.

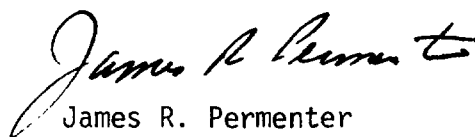
The San Juan 28-7 Unit #234 Well, located 2510' from the South line and 1840' from the East line of Section 15, Township 28 North, Range 7 West, NMPM, was spudded on 4/21/77 and completed on 6/30/77 at a total depth of 7367'. The Dakota formation at the intervals of 7160', 7170', 7185', 7190', 7287', 7305', 7317' and 7344' was treated with a sand-water fracturing process on 6/21/77. The well was shut-in on 6/23/77 and after being shut-in for seven (7) days, the Dakota formation was tested on 6/30/77 using the Pitot tube method with an after frac guage of 1120 MCF/D, with an SIPC of 2650 psia and an SIPT of 2635 psia. The spacing unit for this well is described as the E/2 of Section 15, Township 28 North, Range 7 West, NMPM, containing 320.00 acres.

The San Juan 28-7 Unit #235 Well, located 1100' from the South line and 1150' from the West line of Section 10, Township 28 North, Range 7 West, NMPM, was spudded on 5/12/77 and completed on 6/20/77 at a total depth of 7848'. The Dakota formation at the intervals of 7611', 7618', 7639', 7696', 7711', 7718', 7735', 7742' and 7800' was treated with a sand-water fracturing process on June 9, 1977. The well was shut-in on 6/11/77 and after being shut-in for nine (9) days, the Dakota formation was tested on 6/20/77 using the Pitot tube method with an after frac guage of 615 MCF/D, with an SIPC of 2685 psia and an SIPT of 2090 psia. The spacing unit for this well is described as Lots 1, 2, SE/4 SE/4 of Section 9 and Lots 2, 3, 4, S/2 SW/4, SW/4 SE/4 of Section 10, Township 28 North, Range 7 West, NMPM, containing 331.55 acres.

The spacing units for these wells were included in the San Juan 28-7 Unit, Twenty-Seventh Expanded Dakota Participating Area effective July 1, 1975, and the completions of these wells do not warrant any further expansion of the Dakota Participating Area.

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

Very truly yours,



James R. Permenter
Manager, Land Contracts
and Titles
Land Department
Energy Resource Development

JRP:RN:sas

cc: Mr. Antonio Martinez, Executive Director
New Mexico Oil & Gas Accounting Commission

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
Western Bank Building
505 Marquette, NW, Room 815
Albuquerque, New Mexico 87102

1612
MAR 15 1977

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1977 plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing the drilling of ten Dakota wells was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGG.) JAMES W. SUTHERLAND

Area Oil and Gas Supervisor

Enclosures

cc:

NMOGC, Santa Fe (ltr. only) ← This Copy for
Com. Pub. Lands, Santa Fe (ltr. only)

✓

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

March 30, 1977

C
S
P
Y
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1977 Drilling Program
San Juan 28-7 Unit,
Rio Arriba County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1977 providing for the drilling of ten Dakota wells for the San Juan 28-7 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: Commissioner of Public Lands
Santa Fe, New Mexico

U. S. Geological Survey
Roswell, New Mexico

El Paso NATURAL GAS
COMPANY

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

February 25, 1977

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1977 DRILLING PROGRAM

Gentlemen:

By letter dated January 26, 1976, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-7 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1976 providing for the drilling of one (1) Pictured Cliffs well and one (1) Chacra well. Both wells were timely drilled.

Pictured Cliffs Well #245 was completed within the boundaries of the Pictured Cliffs Participating Area and did not cause an expansion. Chacra Well #205 was completed within the Chacra Participating Area and did not cause an expansion.

Regional Oil & Gas Supervisor
 Commissioner of Public Lands
 Oil Conservation Commission
 Page Two

As of this date, the total number of wells in the San Juan 28-7 Unit is as follows:

Pictured Cliffs	39
Mesaverde	50
Dual Pictured Cliffs/Mesaverde	26
Dual Pictured Cliffs/Chacra	15
Dual Mesaverde/Dakota	2
Dakota	56
Chacra	9
Non-commercial Pictured Cliffs	4
Non-commercial Mesaverde	2
Non-commercial Dakota	1
Plugged and Abandoned	2
Dual Pictured Cliffs/Chacra (Chacra Non-commercial)	1
	<u>207</u>

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1977.

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
134	W/2 Sec. 21, T-28-N, R-7-W	Dakota
219	W/2 Sec. 20, T-28-N, R-7-W	Dakota
221	E/2 Sec. 25, T-28-N, R-7-W	Dakota
223	E/2 Sec. 26, T-28-N, R-7-W	Dakota
225	E/2 Sec. 34, T-28-N, R-7-W	Dakota
226	W/2 Sec. 36, T-28-N, R-7-W	Dakota
227	E/2 Sec. 36, T-28-N, R-7-W	Dakota
233	N/2 Sec. 14, T-28-N, R-7-W	Dakota
234	E/2 Sec. 15, T-28-N, R-7-W	Dakota
235	Non Std. Lots 1, 2, SE/4 SE/4 Sec. 9; Lots 2, 3, 4, S/2 SW/4, SW/4 SE/4 Sec. 10, T-28-N, R-7-W	Dakota

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.

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Three

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.

Yours very truly,

A handwritten signature in black ink, appearing to read "D. N. Canfield", written in a cursive style.

D. N. Canfield
Director of Land
Energy Resource Development

DNC/DW/mb

Attachments

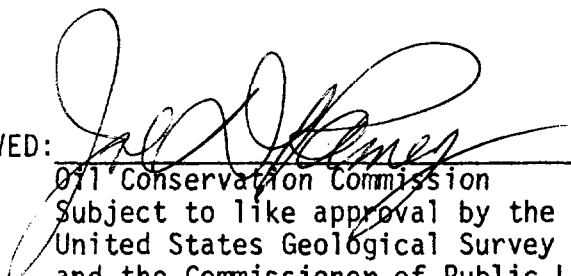
San Juan 28-7 Unit, 3.0

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

DATE: _____

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

DATE: _____

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

DATE: March 30, 1977

The foregoing approvals are for the 1977 Drilling Program for the
San Juan 28-7 Unit #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

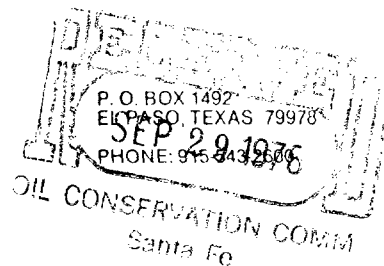
Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company



September 27, 1976

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Chacra Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Chacra Formation has been completed upon acreage committed to the Unit. This well is as follows:

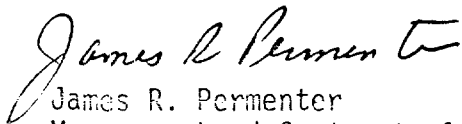
The San Juan 28-7 Unit #205 well, located 950' from the South line and 1750' from the East line of Section 18, Township 27 North, Range 7 West, N.M.P.M., was spudded on July 1, 1976, and completed on September 9, 1976, in the Chacra Formation at a total depth of 4000'. The Chacra Formation at the intervals 3900', 3903', 3924', 3927', 3930', and 3932' was treated with a sand-water fracturing process on August 4, 1976. The well was shut-in on September 2, 1976, and after being shut-in for seven (7) days the well was tested on September 9, 1976 in the Chacra Formation with an after frac gauge of 2895 MCF/D using the Pitot tube method, with an SIPC of 1004 psia. The spacing unit for this well is described as E/2 of Section 18, Township 27 North, Range 7 West, containing 320.00 acres.

Regional Oil and Gas Supervisor
Commissioner of Public Land
Oil Conservation Commission
Page Two

The spacing unit for this well was included in the San Juan 28-7 Unit, Sixth Expanded Chacra Participating Area effective August 1, 1975 and the completion of this well does not warrant any further expansion of the Chacra Participating Area.

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

Yours very truly,

A handwritten signature in cursive script, reading "James R. Permenter".

James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Enclosure
SJ 28-7, 4.4.1

cc: Mr. Antonio Martinez

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

El Paso NATURAL GAS
COMPANY

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

September 27, 1976

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

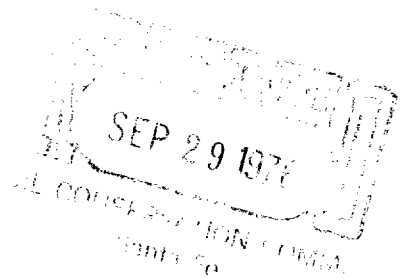
Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit, #14-08-001-459,
NOTICE OF COMPLETION OF ADDITIONAL
WELL, Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 28-7 Unit #245 well, located 820' from the North line and 1560' from the East line of Section 18, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 23, 1976, and completed on September 2, 1976, in the Pictured Cliffs Formation at a total depth of 3609'. The Pictured Cliffs Formation at the intervals 3417', 3426', 3432', 3441', 3445', 3456', 3460', 3494', 3502', 3531', and 3542' was treated with a sand-water fracturing process on August 5, 1976. The well was shut-in on August 26, 1976, and after being shut-in for seven (7) days the well was tested on September 2, 1976 in the Pictured Cliffs Formation with an after frac gauge of 2595 MCF/D, using the Pitot tube method, with an SIPC of 1059 psia. The spacing unit for this well is described as the E/2 of Section 18, Township 28 North, Range 7 West, containing 320.00 acres.



Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Two

The spacing unit for this well was included in the San Juan 28-7 Unit, Twenty-Sixth Expanded Pictured Cliffs Participating Area effective June 1, 1974 and the completion of this well does not warrant any further expansion of the Pictured Cliffs Participating Area.

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

Yours very truly,



James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Attachment
SJ 28-7, 4.1.1

cc: Mr. Antonio Martinez

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

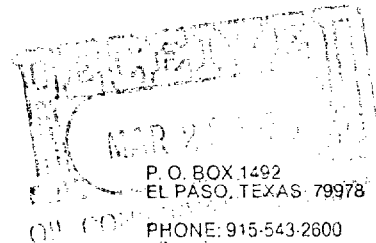
Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

El Paso NATURAL GAS
COMPANY



March 17, 1976

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Gentlemen:

The 1976 Drilling Programs for the below listed units were approved by the regulatory bodies on the dates indicated:

<u>Unit</u>	<u>USGS</u>	<u>CPL</u>	<u>OCC</u>
San Juan 28-7 Unit	3-12-76	2-2-76	2-12-76
San Juan 29-4 Unit	3-10-76	N/A	2-12-76
Canyon Largo Unit	3-10-76	1-16-76	1-8-76
Huerfanito Unit	3-10-76	1-6-76	1-8-76

Copies of this letter are being sent to the working interest owners of the above units.

Yours very truly,

A handwritten signature in cursive script that reads "Don Wadsworth".

Don Wadsworth
Landman
Land Department
Energy Resource Development

SJ 28-7, 3.0
SJ 29-4
Huerfanito
CLU



United States Department of the Interior

P. O. Drawer 1857
Roswell, New Mexico 88201
GEOLOGICAL SURVEY

March 12, 1976

445

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

The 1976 plan of development submitted for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes the drilling of one Chacra well and one Pictured Cliffs well. Three approved copies are enclosed.

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil and Gas Supv.

Enclosures

cc:
Durango (w/cy plan)
NMOCC, Santa Fe (ltr only) ← This Copy for
Com. Pub. Lands, Santa Fe (ltr. only)

JAGillham:dlk

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 12, 1976

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1976 Drilling Program,
San Juan 28-7 Unit,
Rio Arriba County,
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1976 providing for the drilling of two wells for the San Juan 28-7 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the program are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

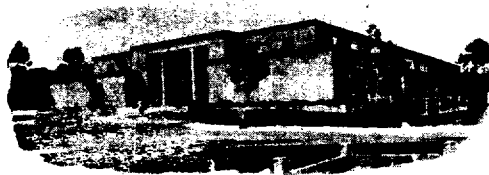
cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

445

State of New Mexico

TELEPHONE
505-827-2748



PHIL R. LUCERO
COMMISSIONER

Commissioner of Public Lands
February 2, 1976

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
1976 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1976 Drilling Program for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. Such plan proposes the drilling of wells No. 205 and 245, one Chacra and one Pictured Cliffs. This 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.

Please remit a Three (\$3.00) Dollar filing fee.

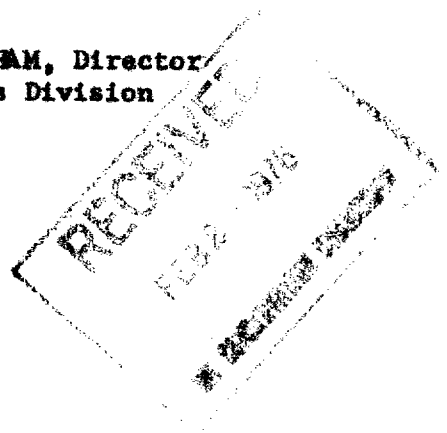
Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

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

PR/L/RDG/s
encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico. ✓



January 30, 1976

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 28-7 Unit
Twenty-Sixth and Twenty-Seventh
Revisions Dakota Participating
Area, Effective May 1, 1975 and
July 12, 1975, respectively,
Rio Arriba County, New Mexico

Gentlemen:

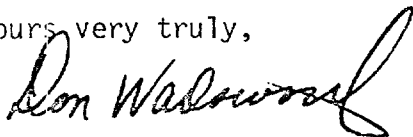
The referenced expansion of the San Juan 28-7 Unit Dakota Participating Area was approved by the Regulatory Agencies on the following dates:

United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission

January 26, 1976
November 24, 1975
December 12, 1975

Copies of this notice are being sent to the working interest owners of the San Juan 28-7 Unit.

Yours very truly,



Don Wadsworth
Landman
Land Department
Energy Resource Development

DW:nm
SJ 28-7, 5.0



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

January 26, 1976

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

Gentlemen:

Your application of November 19, 1975, requesting approval of the twenty-sixth and twenty-seventh revisions of the Dakota participating area for the San Juan 28-7 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-459, was approved January 26, 1976, by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of May 1, 1975, and July 1, 1975, respectively.

The twenty-sixth revision adds 640.00 acres described on page one of the application which enlarges the Dakota participating area to 24,184.79 acres. Such revision is based on the information obtained by the completion of unit well No. 222 located in the SW $\frac{1}{4}$ of sec. 25, T. 28 N., R. 7 W. Well No. 222 was completed May 30, 1975, for a calculated absolute open flow potential of 6,722 MCF of gas per day from the Dakota interval 7,130 to 7,331 feet.

The twenty-seventh revision adds 6,341.24 acres described on page two of the application which expands the Dakota participating area to 30,526.03 acres. Such revision is based on the information contributed by six wells in the following tabulation:

<u>Well No.</u>	<u>Location</u>	<u>Completion Date</u>	<u>Interval</u>	<u>CAOF MCFPD</u>
101	SW $\frac{1}{4}$ sec. 30, T. 27 N., R. 7 W.	7/29/75	7,216-7,416	1,993
239	SW $\frac{1}{4}$ sec. 17, T. 28 N., R. 7 W.	7/16/75	7,630-7,830	2,599
241	Lot 4 sec. 9, T. 28 N., R. 7 W.	7/17/75	7,646-7,844	864
242	NW $\frac{1}{4}$ sec. 18, T. 28 N., R. 7 W.	7/24/75	7,755-7,961	2,926
243	SW $\frac{1}{4}$ sec. 31, T. 28 N., R. 7 W.	7/18/75	7,000-7,225	2,524
244	SW $\frac{1}{4}$ sec. 7, T. 27 N., R. 7 W.	7/21/75	7,328-7,578	1,167

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

Sincerely yours,

(SIGNED) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
BLM, Santa Fe (w/cy appln.)
NMOCC, Santa Fe (ltr. only) ✓
Com. Pub. Lands, Santa Fe (ltr. only)
Durango (w/cy appln.)

RDLindau:lh

January 26, 1976

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
1976 DRILLING PROGRAM

Gentlemen:

By letter April 26, 1975, El Paso Natural Gas Company, as Unit Operator, filed a Revised Drilling Program on the captioned unit for the calendar year 1975, providing for the drilling of one (1) Pictured Cliffs well, three (3) Pictured Cliffs/Chacra wells, seven (7) Chacra wells, and eight (8) Dakota wells. All wells were drilled.

Pictured Cliffs Well #197 was completed within the boundaries of the Pictured Cliffs Participating Area and did not cause an expansion of the Pictured Cliffs Participating Area. Pictured Cliffs/Chacra Wells #201, #202, and #207 were completed within the boundaries of the Pictured Cliffs Participating Area and did not cause an expansion. Well #201 will cause the Sixth Expansion of the Chacra Participating Area, Well #202 was determined to be non-commercial in the Chacra zone and Well #207 was completed within the Chacra Participating Area and did not cause an expansion. Pictured Cliffs/Chacra Well #206 which was being evaluated in the Chacra zone when the 1975 Drilling Program was filed will cause the Fifth Chacra Participating Area expansion.

Regional Oil & Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Two

Chacra Wells #210 and #213 were drilled within the boundaries of the Chacra Participating Area and did not cause an expansion. Chacra Wells #117, #208, #211, #212, and #240 will cause the Seventeenth Expansion of the Chacra Participating Area. Dakota Well #224 was drilled within the boundaries of the Dakota Participating Area and did not cause an expansion. Dakota Well #222 caused the Twenty-Sixth Expansion of the Dakota Participating Area and Dakota Wells #101, #239, #241, #242, #243, and #244 caused the Twenty-Seventh Expansion of the Dakota Participating Area. Dakota wells which were being evaluated when the 1975 Drilling Program was filed resulted in the following - Well #230 was completed in the Dakota Participating Area and did not cause an expansion. Wells #228, #229, and #239 caused the Twenty-Fourth Expansion and Wells #231 and #232 caused the Twenty-Fifth Expansion.

As of this date the total number of wells in the San Juan 28-7 Unit on acreage committed to the Unit is as follows:

Pictured Cliffs	38
Mesaverde	50
Dual Pictured Cliffs-Mesaverde	26
Dual Pictured Cliffs-Chacra	15
Dual Mesaverde-Dakota	2
Dakota	56
Chacra	8
Non-Commercial Pictured Cliffs	4
Non-Commercial Mesaverde	2
Non-Commercial Dakota	1
Plugged and Abandoned	2
Dual Pictured Cliffs/Chacra (Chacra Non-Commercial)	1
	<u>205</u>

Pursuant to Section 10 of the San Juan 28-7 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1976, providing for the drilling of the following wells.

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
205	E/2 Sec. 18, T-27-N, R-7-W	Chacra
245	E/2 Sec. 18, T-28-N, R-7-W	Pictured Cliffs

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

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Three

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances, and any other wells subsequently deemed necessary or which are requested 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 Drilling Program are being sent to the working interest owners as shown on the attached sheet.

Yours very truly,

A handwritten signature in cursive script, reading "D. N. Canfield".

D. N. Canfield
Director of Land
Energy Resource Development

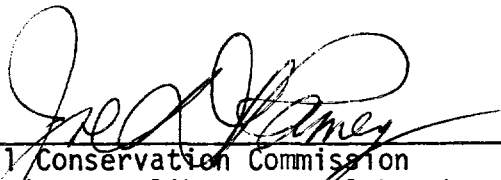
DNC:DW:nm
Attachments
San Juan 28-7, 3.0

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

DATE: _____

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

DATE: _____

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

DATE: February 12, 1976

The foregoing approvals are for the 1976 Drilling Program for the
San Juan 28-7 Unit #14-08-001-459, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company



P.O. BOX 1492
EL PASO, TEXAS 79976
PHONE 915-543-2600

December 15, 1975

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Chacra Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Chacra Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 28-7 Unit #240 well, located 900' from the South line and 800' from the West line of Section 20, Township 27 North, Range 7 West, N.M.P.M., was spudded on July 4, 1975, and completed on August 5, 1975, in the Chacra Formation at a total depth of 4048'. The Chacra Formation at the intervals 3816', 3817', 3845', 3846', 3856', 3952', 3953', 3977', and 3978' was treated with a sand-water fracturing process on July 18, 1975. The well was shut-in on July 23, 1975, and after being shut-in for thirteen (13) days the well was tested on August 5, 1975, and following a three (3) hour blow-down period, the Chacra Formation gauged 1180 MCF/D through a 3/4" choke and 1193 MCF/D by the calculated absolute open-flow method, with an SIPC of 1065 psia. The spacing unit for this well is described as W/2 of Section 20, Township 27 North, Range 7 West, containing 320.00 acres.

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Two

The spacing unit for this well was included in the San Juan 28-7 Unit, Fifth Expanded Chacra Participating Area effective November 1, 1974 and the completion of this well does not warrant any further expansion of the Chacra Participating Area.

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

Yours very truly,

A handwritten signature in cursive script, reading "James R. Permenter".

James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Enclosure
SJ 28-7, 4.4.1

cc: Mr. Antonio Martinez

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company



475
P.O. BOX 1492
EL PASO, TEXAS 79978
PHONE 915-543-2600

December 15, 1975

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459 Rio Arriba County,
New Mexico Fifth, Sixth and Seventh EXPANDED PARTIC-
IPATING AREA, Chacra Formation, Effective 11/1/74,
8/1/75 and 9/1/75 respectively

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement,
#14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company,
as Unit Operator, determined on the dates set out below that six (6)
wells capable of producing unitized substances in paying quantities
from the Chacra Formation have been completed upon acreage committed to
this Unit. The Participating Area for the Chacra Formation is expanded
accordingly to include the following wells and acreage:

FIFTH EXPANDED PARTICIPATING AREA - Effective 11/1/74

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
T-27-N, R-7-W Sec. 20: All (Includes W/2 Intervening Drilling Block)	640.00	SJ 28-7 #206

Pertinent data on this well is as follows:

The San Juan 28-7 Unit #206 well, located 790' from the North line and
1850' from the East line of Section 20, Township 27 North, Range 7 West,
N.M.P.M., was spudded on August 14, 1974, and completed on October 28,

1974, in the Chacra Formation at a total depth of 4019'. The Chacra Formation in the interval 3926-36' was treated with a sand-water fracturing process on September 10, 1974. The well was shut-in on October 3, 1974, and after being shut-in for twenty-five (25) days the well was tested on October 28, 1974, and following a three (3) hour blow-down period, the Chacra Formation gauged 769 MCF/D through a 3/4" choke and 773 MCF/D by the calculated absolute open-flow method, with an SIPC of 1029 psia. The spacing unit for this well is described as the E/2 of Section 20, Township 27 North, Range 7 West, containing 320.00 acres.

In addition to the above, the completion of well #206 creates one (1) intervening drilling block, described as the W/2 of Section 20, Township 27 North, Range 7 West, which pursuant to the terms of paragraph 11(a) of the Unit Agreement, will also be admitted to the Participating Area.

SIXTH EXPANDED PARTICIPATING AREA - Effective 8/1/75

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
T-27-N, R-7-W		
Sec. 7: E/2	320.00	SJ 28-7 #201
Sec. 18: E/2	320.00	Intervening Drilling
Total	640.00	Block

Pertinent data on this well is as follows:

The San Juan 28-7 Unit #201 well, located 1190' from the South line and 1190' from the East line of Section 7, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 31, 1974, and completed on July 30, 1975, in the Chacra Formation at a total depth of 4153'. The Chacra Formation in the interval 4058-64' was treated with a sand-water fracturing process on July 9, 1975. The well was shut-in on July 15, 1975, and after being shut-in for fifteen (15) days the well was tested on July 30, 1975, and following a three (3) hour blow-down period, the Chacra Formation gauged 174 MCF/D through a 3/4" choke and 174 MCF/D by the calculated absolute open-flow method, with an SIPC of 862 psia. The spacing unit for this well is described as the E/2 of Section 7, Township 27 North, Range 7 West, containing 320.00 acres.

In addition to the above, the completion of well #201 creates one (1) intervening drilling block, described as the E/2 of Section 18, Township 27 North, Range 7 West, which pursuant to the terms of paragraph 11(a) of the Unit Agreement, will also be admitted to the Participating Area.

SEVENTH EXPANDED PARTICIPATING AREA - Effective 9/1/75

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
T-27-N, R-7-W		
Sec. 6: W/2 (Lots 3,4,5,6,7, SE/4 NW/4, E/2 SW/4)	320.20	SJ 28-7 #117
Sec. 15: W/2	320.00	SJ 28-7 #208
Sec. 22: W/2	320.00	SJ 28-7 #211
Sec. 27: NW/4	160.00	SJ 28-7 #212
Total	1120.20	

Pertinent data on these wells is as follows:

The San Juan 28-7 Unit #117 well, located 800' from the South line and 1175' from the West line of Section 6, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 9, 1974, and completed on August 6, 1975, in the Chacra Formation at a total depth of 4300'. The Chacra Formation in the intervals of 4262', 4263', 4269', 4270', 4271' and 4272' was treated with a sand-water fracturing process on July 2, 1975. The well was shut-in on July 23, 1975, and after being shut-in for fourteen (14) days the well was tested on August 6, 1975, and following a three (3) hour blow-down period, the Chacra Formation gauged 165 MCF/D through a 3/4" choke and 165 MCF/D by the calculated absolute open-flow method, with an SIPC of 1012 psia. The spacing unit for this well is described as Lots 3, 4, 5, 6, 7, SE/4 NW/4, E/2 SW/4 (W/2) of Section 6, Township 27 North, Range 7 West, containing 320.20 acres.

The San Juan 28-7 Unit #208 well, located 1850' from the South line and 1850' from the West line of Section 15, Township 27 North, Range 7 West, N.M.P.M., was spudded on February 21, 1975, and completed on August 6, 1975, in the Chacra Formation at a total depth of 4184'. The Chacra Formation in the intervals of 4105', 4106', 4127', 4128', 4129' and 4130' was treated with a sand-water fracturing process on July 11, 1975. The well was shut-in on July 23, 1975, and after being shut-in for fourteen (14) days the well was tested on August 6, 1975, and following a three (3) hour blow-down period, the Chacra Formation gauged 451 MCF/D through a 3/4" choke and 452 MCF/D by the calculated absolute open-flow method, with an SIPC of 1033 psia. The spacing unit for this well is described as the W/2 of Section 15, Township 27 North, Range 7 West, containing 320.00 acres.

The San Juan 28-7 Unit #211 well, located 1580' from the North line and 825' from the West line of Section 22, Township 27 North, Range 7 West, N.M.P.M., was spudded on February 12, 1975, and completed on August 6, 1975, in the Chacra Formation at a total depth of 4176'. The Chacra Formation in the

intervals of 3968', 3970', 3981', 3983', 3997', 3998' and 3999' was treated with a sand-water fracturing process on July 2, 1975. The well was shut-in on July 17, 1975, and after being shut-in for twenty (20) days the well was tested on August 6, 1975, and following a three (3) hour blow-down period, the Chacra Formation gauged 541 MCF/D through a 3/4" choke and 542 MCF/D by the calculated absolute open-flow method, with an SIPC of 1044 psia. The spacing unit for this well is described as the W/2 of Section 22, Township 27 North, Range 7 West, containing 320.00 acres.

The San Juan 28-7 Unit #212 well, located 1570' from the North line and 790' from the West line of Section 27, Township 27 North, Range 7 West, N.M.P.M., was spudded on February 3, 1975, and completed on August 5, 1975, in the Chacra Formation at a total depth of 4102'. The Chacra Formation in the intervals of 3942', 3944', 3968', 3970', 3984', and 3986' was treated with a sand-water fracturing process on July 11, 1975. The well was shut-in on July 23, 1975, and after being shut-in for thirteen (13) days the well was tested on August 5, 1975, and following a three (3) hour blow-down period, the Chacra Formation gauged 401 MCF/D through a 3/4" choke and 402 MCF/D by the calculated absolute open-flow method, with an SIPC of 1062 psia. The spacing unit for this well is described as the NW/4 of Section 27, Township 27 North, Range 7 West, containing 160.00 acres.

Attached are Schedules VI, VII, and VIII showing the Fifth, Sixth and Seventh Expanded Participating Area for the Chacra Formation of the San Juan 28-7 Unit Area. These describe the Participating Areas and show the percentages of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, these Fifth, Sixth and Seventh Expanded Participating Areas will become effective as of November 1, 1974, August 1, 1975 and September 1, 1975 respectively.

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

Yours very truly,

James R. Permenter
Manager, Contracts & Titles
Land Department
Energy Resource Development

JRP/DW/mb
Attachment
San Juan 28-7 Unit 4.4

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

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

SCHEDULE VI
FIFTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

IAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE	
TRACT 1					
NM 03521	T-27-N, R-7-W Sec. 20: W/2	320.00	Royalty: Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.500000% 32.312500% 32.312500% 22.875000% 100.000000%	12.500000% 32.312500% 32.312500% 22.875000% 100.000000%
6.672783%					
TRACT 2					
NM 03560	T-27-N, R-7-W Sec. 29: SW/4 Sec. 30: E/2	480.00	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.500000% 31.562500% 31.562500% 24.375000% 100.000000%	12.500000% 31.562500% 31.562500% 24.375000% 100.000000%
10.009175%					
TRACT 2-A					
NM 03560	T-27-N, R-7-W Sec. 29: N/2, SE/4	480.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 63.125000% 24.375000% 100.000000%	12.500000% 63.125000% 24.375000% 100.000000%
10.009175%					
TRACT 10					
SF 078500-A	T-28-N, R-7-W Sec. 31: Lots 6,7, N/2 SE/4, NE/4 (E/2)	315.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 84.500000% 3.000000% 100.000000%	12.500000% 84.500000% 3.000000% 100.000000%
6.568521%					

SCHEDULE VI

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

TRACT 15

SF 078640	T-27-N, R-7-W	1600.00				
	Sec. 17: E/2		Royalty;	12.500000%	12.500000%	
	Sec. 20: E/2		Working Interest;			
	Sec. 21: A11		El Paso Natural Gas Co.;	82.500000%	82.500000%	
	Sec. 28: N/2		ORRI;	5.000000%	5.000000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
						<u>33.363917%</u>

TRACT 17

SF 078835-A	T-27-N, R-7-W	320.60				
	Sec. 6: Lots 1,2, S/2		Royalty;	12.500000%	12.500000%	
	NE/4, SE/4 (E/2)		Working Interest;			
			El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
						<u>6.685295%</u>

TRACT 18

SF 078840	T-27-N, R-7-W	320.00				
	Sec. 19: E/2		Royalty;	12.500000%	12.500000%	
			Working Interest;			
			El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
						<u>6.672784%</u>

TRACT 20

SF 8972-A	T-27-N, R-7-W	320.00				
	Sec. 9: E/2		Royalty;	12.500000%	12.500000%	
			Working Interest;			
			El Paso Natural Gas Co.;	66.666666%	66.666666%	
			W. G. Peavy;	6.666667%	6.666667%	
			A. H. Arant;	6.666667%	6.666667%	
			ORRI;	7.500000%	7.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
						<u>6.672783%</u>

SCHEDULE VI

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 32						
E-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000%	12.500000% 83.500000% 4.000000%	.834098%
	TOTAL			100.000000%	100.000000%	
TRACT 33						
E-4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 82.500000% 5.000000%	12.500000% 82.500000% 5.000000%	.834098%
	TOTAL			100.000000%	100.000000%	
TRACT 34						
E-4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co.; Mesa Petroleum Co.; (1) ORRI;	12.500000% 50.700000% 33.800000% 3.000000%	12.500000% 50.700000% 33.800000% 3.000000%	.834098%
	TOTAL			100.000000%	100.000000%	
TRACT 35						
E-2825-6	T-27-N, R-7-W Sec. 16: SW/4, SE/4 NW/4, E/2	520.00	Royalty; Working Interest: El Paso Natural Gas Co.; Mesa Petroleum Co.; (1) ORRI;	12.500000% 49.500000% 33.000000% 5.000000%	12.500000% 49.500000% 33.000000% 5.000000%	10.843273%
	TOTAL			100.000000%	100.000000%	

SCHEDULE VI

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

RECAPITULATION

Township 27 North, Range 7 West, N.M.P.M.

Sections 16, 20, 21, 29: All
Sections 6, 9, 17, 19, 30: E/2
Section 28: N/2

Township 28 North, Range 7 West

Section 31: E/2

Total number of acres in participating area:	4,795.60
Total number of acres committed to participating area:	4,795.60
Percent of basic royalty interest committed:	100.00%
Percent of working interest committed:	100.00%
Percent of overriding royalty interest committed:	100.00%

(1) During payout periods, Mesa's interest converts to a 12.5% ORRI.

SCHEDULE VII
 SIXTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
 SAN JUAN 28-7 UNIT AREA

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU- PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03521	T-27-N, R-7-W Sec. 20: W/2	320.00	TRACT 1			5.887115%
			Royalty;	12.500000%	12.500000%	
			Working Interest:			
			Tenneco Oil Co.	32.312500%	32.312500%	
			Continental Oil Co.	32.312500%	32.312500%	
			ORRI;	22.875000%	22.875000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 2			
			Royalty;	12.500000%	12.500000%	
			Working Interest:			
NM 03560	T-27-N, R-7-W Sec. 29: SW/4 Sec. 30: E/2	480.00	TRACT 2-A			8.830672%
			Royalty;	12.500000%	12.500000%	
			Working Interest:			
			Tenneco Oil Co.;	31.562500%	31.562500%	
			Continental Oil Co.;	31.562500%	31.562500%	
			ORRI;	24.375000%	24.375000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 2-A			
			Royalty;	12.500000%	12.500000%	
			Working Interest:			
NM 03560	T-27-N, R-7-W Sec. 29: N/2, SE/4	480.00	TRACT 2-A			8.830672%
			Royalty;	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co.;	63.125000%	63.125000%	
			ORRI;	24.375000%	24.375000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 10			
			Royalty;	12.500000%	12.500000%	
			Working Interest:			
			SF 078500-A	T-28-N, R-7-W Sec. 31: Lots 6,7, N/2 SE/4, NE/4 (E/2)	315.00	
Royalty;	12.500000%	12.500000%				
Working Interest:						
El Paso Natural Gas Co.;	84.500000%	84.500000%				
ORRI;	3.000000%	3.000000%				
TOTAL	100.000000%	100.000000%				
TRACT 10						
Royalty;	12.500000%	12.500000%				
Working Interest:						

SCHEDULE VII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 15</u>						
SF 078640	T-27-N, R-7-W	1600.00	Royalty;	12.500000%	12.500000%	<u>29.435573%</u>
	Sec. 17: E/2		Working Interest:			
	Sec. 20: E/2		El Paso Natural Gas Co.;	82.500000%	82.500000%	
	Sec. 21: A11		ORRI;	5.000000%	5.000000%	
	Sec. 28: N/2		TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 16</u>			
SF 078835	T-27-N, R-7-W	320.00	Royalty;	12.500000%	12.500000%	<u>5.887115%</u>
	Sec. 7: E/2		Working Interest:			
			El Paso Natural Gas Co.;	84.000000%	84.000000%	
			ORRI;	3.500000%	3.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 17</u>			
SF 078835-A	T-27-N, R-7-W	320.60	Royalty;	12.500000%	12.500000%	<u>5.898153%</u>
	Sec. 6: Lots 1,2, S/2		Working Interest:			
	NE/4, SE/4 (E/2)		El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 18</u>			
SF 078640	T-27-N, R-7-W	320.00	Royalty;	12.500000%	12.500000%	<u>5.887115%</u>
	Sec. 19: E/2		Working Interest:			
			El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE VII

SIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 18-A						
SF 078840	T-27-N, R-7-W Sec. 18: E/2	320.00	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.500000% 33.500000% 33.500000% 20.500000% <u>100.000000%</u>	12.500000% 33.500000% 33.500000% 20.500000% <u>100.000000%</u>	<u>5.887115%</u>
TRACT 20						
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; W. G. Peavy; A. H. Arant; ORRI;	12.500000% 66.666666% 6.666667% 6.666667% 7.500000% <u>100.000000%</u>	12.500000% 66.666666% 6.666667% 6.666667% 7.500000% <u>100.000000%</u>	<u>5.887114%</u>
TRACT 32						
S-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000% <u>100.000000%</u>	12.500000% 83.500000% 4.000000% <u>100.000000%</u>	<u>.735889%</u>

Effective August 1, 1975

SCHEDULE VII

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION			
			OWNERSHIP	PERCENTAGE					
E-4425-48	T-27-N, R-7-W 40.00 Sec. 16: NE/4 NW/4		TRACT 33						
			Royalty;	12.500000%	12.500000%	.735889%			
			Working Interest;						
			El Paso Natural Gas Co.;	82.500000%	82.500000%				
			ORRI;	5.000000%	5.000000%				
			TOTAL	100.000000%	100.000000%				
			TRACT 34						
			Royalty;	12.500000%	12.500000%	.735889%			
			Working Interest;						
			El Paso Natural Gas Co.;	50.700000%	50.700000%				
Mesa Petroleum Co.;	33.800000%	33.800000%							
E-4425-46	T-27-N, R-7-W 40.00 Sec. 16: SW/4 NW/4		ORRI;	3.000000%	3.000000%	.735889%			
			TOTAL	100.000000%	100.000000%				
			TRACT 35						
			Royalty;	12.500000%	12.500000%		9.566561%		
			Working Interest;						
			El Paso Natural Gas Co.;	49.500000%	49.500000%				
			Mesa Petroleum Co.;	33.000000%	33.000000%				
			E-2825-6	T-27-N, R-7-W 520.00 Sec. 16: SW/4, SE/4 NW/4, E/2		ORRI;	5.000000%	5.000000%	9.566561%
						TOTAL	100.000000%	100.000000%	
						TRACT 35			
Royalty;	12.500000%	12.500000%				9.566561%			
Working Interest;									
El Paso Natural Gas Co.;	49.500000%	49.500000%							
Mesa Petroleum Co.;	33.000000%	33.000000%							

Effective August 1, 1975

SCHEDULE VII

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

RECAPITULATION

Township 27 North, Range 7 West, N.M.P.M.

Sections 16, 20, 21, 29: A11
Sections 6, 7, 9, 17, 18, 19, 30: E/2
Section 28: N/2

Township 28 North, Range 7 West

Section 31: E/2

Total number of acres in participating area:	5,435.60
Total number of acres committed to participating area:	5,435.60
Percent of basic royalty interest committed:	100.00%
Percent of working interest committed:	100.00%
Percent of overriding royalty interest committed:	100.00%

(1) During payout periods, Mesa's interest converts to a 12.5% ORRI.

SCHEDULE VIII
SEVENTH EXPANDED PARTICIPATING AREA FOR THE CHACRA FORMATION
SAN JUAN 28-7 UNIT AREA

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATI
			OWNERSHIP	PERCENTAGE		
<u>TRACT 1</u>						
NM 03521	<u>T-27-N, R-7-W</u>	320.00	Royalty;	12.500000%	12.500000%	<u>4.881174%</u>
	<u>Sec. 20: W/2</u>		Working Interest:			
			Tenneco Oil Co.	32.312500%	32.312500%	
			Continental Oil Co.	32.312500%	32.312500%	
			ORRI;	22.875000%	22.875000%	
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		
<u>TRACT 2</u>						
NM 03560	<u>T-27-N, R-7-W</u>	480.00	Royalty;	12.500000%	12.500000%	<u>7.321761%</u>
	<u>Sec. 29: SW/4</u>		Working Interest:			
	<u>Sec. 30: E/2</u>		Tenneco Oil Co.;	31.562500%	31.562500%	
			Continental Oil Co.;	31.562500%	31.562500%	
			ORRI;	24.375000%	24.375000%	
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		
<u>TRACT 2-A</u>						
NM 03560	<u>T-27-N, R-7-W</u>	480.00	Royalty;	12.500000%	12.500000%	<u>7.321761%</u>
	<u>Sec. 29: N/2, SE/4</u>		Working Interest:			
			El Paso Natural Gas Co.;	63.125000%	63.125000%	
			ORRI;	24.375000%	24.375000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 10</u>						
SF 078500-A	<u>T-28-N, R-7-W</u>	315.00	Royalty;	12.500000%	12.500000%	<u>4.804906%</u>
	<u>Sec. 31: Lots 6,7, N/2</u>		Working Interest:			
	<u>SE/4, NE/4 (E/2)</u>		El Paso Natural Gas Co.;	84.500000%	84.500000%	
			ORRI;	3.000000%	3.000000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE VIII

L NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 15</u>						
078640	T-27-N, R-7-W	2400.00				<u>36.608804%</u>
	Sec. 15: W/2		Royalty;	12.500000%	12.500000%	
	Sec. 17: E/2		Working Interest:			
	Sec. 20: E/2		El Paso Natural Gas Co.;	82.500000%	82.500000%	
	Sec. 21: A11		ORRI;	5.000000%	5.000000%	
	Sec. 22: W/2			<u>100.000000%</u>	<u>100.000000%</u>	
	Sec. 27: NW/4					
	Sec. 28: N/2					
			TOTAL			
			<u>TRACT 16</u>			
F 078835	T-27-N, R-7-W	640.20				<u>9.765399%</u>
	Sec. 6: Lots 3,4,5,6,7, SE/4 NW/4, E/2 SW/4 (W/2)		Royalty;	12.500000%	12.500000%	
			Working Interest:			
	Sec. 7: E/2		El Paso Natural Gas Co.;	84.000000%	84.000000%	
			ORRI;	3.500000%	3.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 17</u>			
F 078835-A	T-27-N, R-7-W	320.60				<u>4.890326%</u>
	Sec. 6: Lots 1,2, S/2 NE/4, SE/4 (E/2)		Royalty;	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 18</u>			
F 078840	T-27-N, R-7-W	320.00				<u>4.881174%</u>
	Sec. 19: E/2		Royalty;	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co.;	67.000000%	67.000000%	
			ORRI;	20.500000%	20.500000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE VIII

AL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
TRACT 18-A						
SF 078840	T-27-N, R-7-W Sec. 18: E/2	320.00	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.500000% 33.500000% 33.500000% 20.500000%	12.500000% 33.500000% 33.500000% 20.500000%	4.881174%
	TOTAL			100.000000%	100.000000%	
			TRACT 20			
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; W. G. Peavy; A. H. Arant; ORRI;	12.500000% 66.666666% 6.666667% 6.666667% 7.500000%	12.500000% 66.666666% 6.666667% 6.666667% 7.500000%	4.881174%
	TOTAL			100.000000%	100.000000%	
			TRACT 32			
E-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500000% 83.500000% 4.000000%	12.500000% 83.500000% 4.000000%	.610147%
	TOTAL			100.000000%	100.000000%	

Effective September 1, 1975

SCHEDULE VIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAT
			OWNERSHIP	PERCENTAGE		
E-4425-48	<u>T-27-N, R-7-W</u> 40.00 Sec. 16: NE/4 NW/4		Royalty;	12.500000%	12.500000%	<u>.610146%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	82.500000%	82.500000%	
			ORRI;	5.000000%	5.000000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 33</u>			
E-4425-46	<u>T-27-N, R-7-W</u> 40.00 Sec. 16: SW/4 NW/4		Royalty;	12.500000%	12.500000%	<u>.610146%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	50.700000%	50.700000%	
			Mesa Petroleum Co.; (1)	33.800000%	33.800000%	
			ORRI;	3.000000%	3.000000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 34</u>			
E-2825-6	<u>T-27-N, R-7-W</u> 520.00 Sec. 16: SW/4, SE/4 NW/4, E/2		Royalty;	12.500000%	12.500000%	<u>7.931908%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	49.500000%	49.500000%	
			Mesa Petroleum Co.; (1)	33.000000%	33.000000%	
			ORRI;	5.000000%	5.000000%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 35</u>			

Effective September 1, 1975

SCHEDULE VIII

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

RECAPITULATION

Township 27 North, Range 7 West, N.M.P.M.

Section 27: NW/4
Sections 6, 16, 20, 21, 29: All
Sections 7, 9, 17, 18, 19, 30: E/2
Section 28: N/2
Sections 15, 22: W/2

Township 28 North, Range 7 West

Section 31: E/2

Total number of acres in participating area: 6,555.80
Total number of acres committed to participating area: 6,555.80

Percent of basic royalty interest committed: 100.00%
Percent of working interest committed: 100.00%
Percent of overriding royalty interest committed: 100.00%

(1) During payout periods, Mesa's interests convert to a 12.5% ORRI.

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

December 12, 1975

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: Mr. James R. Permenter

Re: Twenty-sixth and Twenty-seventh
Expansions Dakota Participating
Area, San Juan 28-7 Unit, Rio
Arriba County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Twenty-sixth and Twenty-seventh expansions of the Participating Area for the Dakota Formation for the San Juan 28-7 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Five approved copies of the application are being forwarded to the United States Geological Society, Roswell, and two copies are being returned to the Commissioner of Public Lands.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

December 8, 1980

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 445
San Juan 28-7 Unit
1981 Drilling Program

Gentlemen:

We hereby approve the 1981 Drilling Program for the San Juan 28-7 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 Drilling Program is returned herewith.

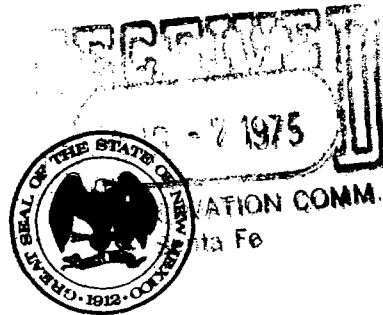
Yours very truly,

JOE D. RANEY
Director

JDR/EP/fd
enc.

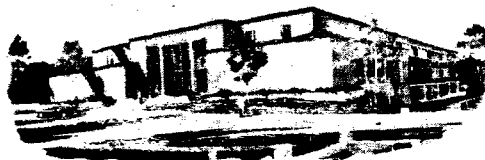
cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y



State of New Mexico

TELEPHONE
505-827-2748



Commissioner of Public Lands

August 6, 1975

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

PHIL R. LUCERO
COMMISSIONER

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
TWENTY-THIRD, TWENTY-FOURTH AND
TWENTY-FIFTH EXPANDED PARTICIPATING
AREAS, Dakota Formation, Effective
July 1, 1974, November 1, 1974, and
December 1, 1974, respectively

ATTENTION: Mr. James E. Parmeter

Gentlemen:

The Commissioner of Public Lands has this date approved the Twenty-Third, Twenty-Fourth and Twenty-Fifth Expanded Participating Areas, Dakota Formation for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are handing eight (8) copies of the application to the Oil Conservation Commission requesting them to forward five (5) copies to the United States Geological Survey at Roswell, New Mexico for their consideration. Two (2) copies to be returned to the Commissioner of Public Lands and one (1) copy must be retained by the Oil Conservation Commission. After this application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso Natural Gas Company.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

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

PRM/EDC/o

cc:

USGS-Roswell, New Mexico
OCC-Santa Fe, New Mexico

State of New Mexico

TELEPHONE
505-827-2748



PHIL R. LUCERO
COMMISSIONER



Commissioner of Public Lands

November 24, 1975

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79998

San Juan 28-7 Unit
Rio Arriba County, New Mexico
APPLICATION FOR THE TWENTY-SIXTH
AND TWENTY-SEVENTH EXPANSIONS OF THE
PARTICIPATING AREA FOR THE DAKOTA
FORMATION, Effective May 1, 1975 and
July 1, 1975, respectively

ATTENTION: Mr. James R. Parmenter

Gentlemen:

The Commissioner of Public Lands has this date approved the Twenty-Sixth and Twenty-Seventh Expansions of the Participating Area for the Dakota formation for the San Juan 28-7 Unit, Rio Arriba County, New Mexico. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are handing eight (8) copies of the application to the Oil Conservation Commission requesting them to forward five (5) copies to the United States Geological Survey at Roswell, New Mexico for their consideration. Two (2) copies to be returned to the Commissioner of Public Lands and one (1) copy to be retained by the Oil Conservation Commission. After this application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso Natural Gas Company.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

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

PRL/RDG/s

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

El Paso NATURAL GAS
COMPANY

P.O. BOX 1432
EL PASO, TEXAS 79973
PHONE 915-543-2693

December 10, 1975

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459
NOTICE OF COMPLETION OF NON-COMMERCIAL
WELL, Chacra Formation

Gentlemen:

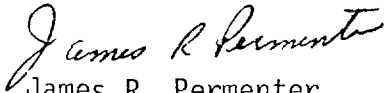
Pursuant to Section 11(a) of the San Juan 28-7 Unit Agreement #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that the following-described well, completed on lands committed to the San Juan 28-7 Unit, is not capable of producing unitized substances in paying quantities from the Chacra Formation:

The San Juan 28-7 Unit #202 well, located 1675' from the South line and 1080' from the East line of Section 8, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 18, 1974 and completed on August 6, 1975, in the Chacra Formation at a total depth of 4387'. The Chacra Formation in the intervals between 4323'-28' was treated with a sand-water fracturing process on July 1, 1975. The well was shut-in on July 15, 1975, and after being shut-in for fifteen (15) days the well was tested on July 30, 1975 and following a three (3) hour blow-down period, the Chacra Formation gauged 154 MCF/D through a 3/4" choke and 154 MCF/D by the calculated absolute open-flow method, with an SIPC of 726 psia. The spacing unit for this well is described as the E/2 of Section 8, Township 27 North, Range 7 West, containing 320.00 acres.

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Two

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, reading "James R. Permenter".

James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Attachment
San Juan 28-7 Unit 4.4, 4.4.1

cc: Mr. Antonio Martinez, Executive
New Mexico Oil & Gas Accounting Commission

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

November 19, 1975

1145

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

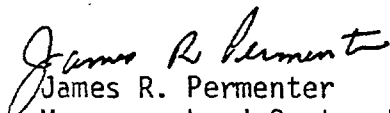
Re: San Juan 28-7 Unit, #14-08-001-459
Rio Arriba County, New Mexico
APPLICATION FOR THE TWENTY-SIXTH
AND TWENTY-SEVENTH EXPANSIONS OF THE
PARTICIPATING AREA FOR THE DAKOTA
FORMATION, Effective May 1, 1975 and
July 1, 1975, respectively

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Twenty-Sixth and Twenty-Seventh Expansions of the Participating Area for the Dakota Formation for the referenced unit.

If this Application meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for its approval and execution. After this Application has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file and the Oil Conservation Commission should retain one (1) copy for its file, and five (5) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico, for its approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,


James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Enclosure

cc: Regional Oil & Gas Supervisor
Oil Conservation Commission ✓

El Paso NATURAL GAS
COMPANY

RECEIVED

Nov 21 10 33 AM '75

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

November 19, 1975

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 28-7 Unit #14-08-001-459,
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
TWENTY-SIXTH AND TWENTY-SEVENTH
EXPANDED PARTICIPATING AREAS,
DAKOTA FORMATION, Effective
May 1, 1975 and July 1, 1975,
respectively

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Twenty-Sixth and Twenty-Seventh Expanded Participating Areas for the Dakota Formation, to wit:

TWENTY-SIXTH EXPANDED PARTICIPATING AREA -
Effective May 1, 1975

Description of Lands

Acres

Township 28 North, Range 7 West, N.M.P.M.
Section 25: All

640.00

This land is proven to be productive by the following well:

The San Juan 28-7 Unit #222 well, located 1490' from the South line and 1480' from the West line of Section 25, Township 28 North, Range 7 West, N.M.P.M., was spudded on April 21, 1975, and completed on May 30, 1975, in the Dakota Formation at a total depth of 7346'. The Dakota Formation at the intervals of 7130', 7146', 7163', 7248', 7260', 7284', 7314', 7323', and 7331' was treated with a sand-water fracturing process on May 30, 1975. The well was shut-in on May 5, 1975, and after being shut-in for twenty-five (25) days the well was tested on May 30, 1975, and following a three (3) hour blow-down period, the Dakota Formation gauged 6339 MCF/D through a 3/4" choke and 6722 MCF/D by the calculated absolute open-flow method, with an SIPC of 2605 psia and an SIPT of 2046 psia. The spacing unit for this well is described as the W/2 of Section 25, Township 28 North, Range 7 West, containing 320.00 acres.

TWENTY-SEVENTH EXPANDED PARTICIPATING AREA -
Effective July 1, 1975

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 27 North, Range 7 West, N.M.P.M.</u>	
Sec. 6: Lots 1-7, E/2 SW/4, SE/4 NW/4, S/2 NE/4, SE/4	640.80
Sec. 7: Lots 1-4, E/2 W/2	320.26
Sec. 18: Lots 1, 2, E/2 NW/4	160.21
Sec. 19: Lots 1-4, E/2 W/2, E/2	641.15
Sec. 29: S/2	320.00
Sec. 30: Lots 1-4, E/2 W/2, E/2	641.44
<u>Township 28 North, Range 7 West, N.M.P.M.</u>	
Sec. 7: Lots 1-5, SE/4 SW/4, S/2 SE/4	299.21
Sec. 8: Lots 1-4, S/2 S/2	304.04
Sec. 9: Lots 1-4, S/2 S/2	299.64
Sec. 10: Lots 2, 3, 4, S/2 SW/4, SW/4 SE/4	222.30
Sec. 17: W/2	320.00
Sec. 18: Lots 1-4, E/2 W/2, E/2	624.76
Sec. 19: Lots 1-4, E/2 W/2, E/2	625.44
Sec. 30: Lots 1-4, E/2 W/2	305.76
Sec. 31: Lots 1-7, E/2 NW/4, NE/4 SW/4, N/2 SE/4, NE/4	616.23
	<u>6,341.24</u>

This land is proven productive by the following wells:

The San Juan 28-7 Unit #239 well, located 2080' from the South line and 950' from the West line of Section 17, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 6, 1975, and completed on July 16, 1975, in the Dakota Formation at a total depth of 7844'. The Dakota Formation at the intervals of 7630', 7642', 7656', 7730', 7761', 7792', 7806', 7816', and 7830' was treated with a sand-water fracturing process on June 24, 1975. The well was shut-in on June 26, 1975, and after being shut-in for twenty (20) days the well was tested on July 16, 1975, and following a three (3) hour blow-down period, the Dakota Formation gauged 2502 MCF/D through a 3/4" choke and 2599 MCF/D by the calculated absolute open-flow method, with an SIPC of 2460 psia and an SIPT of 1680 psia. The spacing unit for this well is described as the W/2 of Section 17, Township 28 North, Range 7 West, containing 320.00 acres.

The San Juan 28-7 Unit #241 well, located 1690' from the South line and 810' from the West line of Section 9, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 2, 1975, and completed on July 17, 1975, in the Dakota Formation at a total depth of 7874'. The Dakota Formation at the intervals of 7646', 7657', 7667', 7680', 7730', 7743', 7780', 7806', 7822', 7832', and 7844' was treated with a sand-water fracturing process on July 1, 1975. The well was shut-in on July 2, 1975, and after being shut-in for fifteen (15) days the well was tested on July 17, 1975, and following a three (3) hour blow-down period, the Dakota Formation gauged 842 MCF/D through a 3/4" choke and 864 MCF/D by the calculated absolute open-flow method, with an SIPC of 2545 psia and an SIPT of 2105 psia. The spacing unit for this well is described as Lots 3, 4, S/2 SW/4, SW/4 SE/4 Section 9, Lots 1, 2, 3, SE/4 SE/4 Section 8, Township 28 North, Range 7 West, containing 338.02 acres.

The San Juan 28-7 Unit #242 well, located 1840' from the North line and 1600' from the West line of Section 18, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 17, 1975, and completed on July 24, 1975, in the Dakota Formation at a total depth of 7994'. The Dakota Formation at the intervals of 7755', 7766', 7776', 7848', 7884', 7916', 7927', 7936', 7949', and 7961' was treated with a sand-water fracturing process on June 28, 1975. The well was shut-in on June 29, 1975, and after being shut-in for twenty-five (25) days the well was tested on July 24, 1975, and following a three (3) hour blow-down period, the Dakota Formation gauged 2776 MCF/D through a 3/4" choke and 2926 MCF/D by the calculated absolute open-flow method, with an SIPC of 2328 psia and an SIPT of 2336 psia. The spacing unit for this well is described as Lots 2, 3, 4, 5, Section 7, Lots 1, 2, 3, E/2 NW/4 of Section 18, Township 28 North, Range 7 West, containing 331.11 acres.

The San Juan 28-7 Unit #243 well, located 1180' from the South line and 1465' from the West line of Section 31, Township 28 North, Range 7 West, N.M.P.M., was spudded on May 19, 1975, and completed on July 18, 1975, in the Dakota Formation at a total depth of 7315'. The Dakota Formation at the intervals of 7000', 7074', 7113', 7175', 7195', and 7225' was treated with a sand-water fracturing process on July 9, 1975. The well was shut-in on July 10, 1975, and after being shut-in for eight (8) days the well was tested on July 18, 1975, and following a three (3) hour blow-down period, the Dakota Formation gauged 2447 MCF/D through a 3/4" choke and 2524 MCF/D by the calculated absolute open-flow method, with an SIPC of 2429 psia and an SIPT of 2429 psia. The spacing unit for this well is described as Lots 2, 3, 4, 5, 6, 7, NE/4 SW/4, N/2 SE/4 of Section 31, Township 28 North, Range 7 West, containing 339.73 acres.

The San Juan 28-7 Unit #244 well, located 1090' from the South line and 990' from the West line of Section 7, Township 27 North, Range 7 West, N.M.P.M., was spudded on May 27, 1975, and completed on July 21, 1975, in the Dakota Formation at a total depth of 7588'. The Dakota Formation at the intervals of 7328', 7338', 7355', 7394', 7408', 7446', 7472', 7488', 7504', 7528', 7538', 7552', 7569', and 7578' was treated with a sand-water fracturing process on July 12, 1975. The well was shut-in on July 14, 1975, and after being shut-in for seven (7) days the well was tested on July 21, 1975, and following a three (3) hour blow-down period, the Dakota Formation gauged 1129 MCF/D through a 3/4" choke and 1167 MCF/D by the calculated absolute open-flow method, with an SIPC of 2448 psia and an SIPT of 2007 psia. The spacing unit for this well is described as Lots 1, 2, 3, 4, E/2 W/2 of Section 7, Township 27 North, Range 7 West, containing 320.26 acres.

The San Juan 28-7 Unit #101 well, located 1795' from the South line and 970' from the West line of Section 30, Township 27 North, Range 7 West, N.M.P.M., was spudded on June 7, 1975, and completed on July 29, 1975, in the Dakota Formation at a total depth of 7482'. The Dakota Formation at the intervals of 7216', 7232', 7240', 7282', 7298', 7331', 7357', 7370', 7384', 7395', and 7416' was treated with a sand-water fracturing process on July 15, 1975. The well was shut-in on July 18, 1975, and after being shut-in for eleven (11) days the well was tested on July 29, 1975, and following a three (3) hour blow-down period, the Dakota Formation gauged 1904 MCF/D through a 3/4" choke and 1993 MCF/D by the calculated absolute open-flow method, with an SIPC of 2182 psia and an SIPT of 1227 psia. The spacing unit for this well is described as the W/2 of Section 30, Township 27 North, Range 7 West, containing 321.44 acres.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the Unit and the proposed Twenty-Sixth and Twenty-Seventh Expanded Participating Areas of the Dakota Formation within the San Juan 28-7 Unit.

EXHIBIT "B"

Geological Report on the Twenty-Sixth and Twenty-Seventh Expanded Participating Areas of the Dakota Formation within the San Juan 28-7 Unit.

EXHIBIT "C"

Figure No. 1: San Juan 28-7 Unit Subsurface Structure Contour Map

Figure No. 2: San Juan 28-7 Unit Isopachous Map

EXHIBIT "D"

Schedule of Dakota Gas Production

Attached hereto are Schedules XXVII and XXVIII showing the proposed Twenty-Sixth and Twenty-Seventh Expanded Participating Areas for the Dakota Formation in the San Juan 28-7 Unit Area. These schedules describe the Expanded Participating Areas, show the percentages of unitized substances allocated to each unitized tract and the percentages of ownership in each tract.

If these Revised Twenty-Sixth and Twenty-Seventh Expanded Participating Areas of the Dakota Formation meet with your approval, please indicate such approval in the space provided and return an approved copy thereof for our files.

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

Yours very truly,



James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Enclosures
SJ 28-7 Unit 4.3

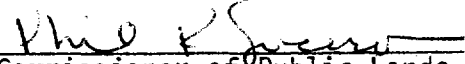
cc: Mr. Antonio Martinez

APPROVED:

Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

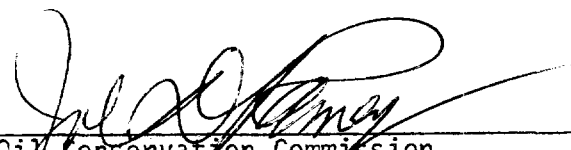
DATE: _____

APPROVED:


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

DATE: November 24, 1975

APPROVED:


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

DATE: Dec 12, 1975

The foregoing approval is for the San Juan 28-7 Unit #14-08-001-459, Twenty-Sixth and Twenty-Seventh Expanded Participating Areas for the Dakota Formation, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

SCHEDULE XXVII
TWENTY-SIXTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 28-7 UNIT AREA

TRAIL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT.
			OWNERSHIP	PERCENTAGE		

4 03521 T-27-N, R-7-W 640.00 2.646291%

Sec. 17: W/2
Sec. 20: W/2
Royalty;
Working Interest:
Tenneco Oil Co.;
Continental Oil Co.;
ORRI;
TOTAL
12.5000% 12.5000%
32.3125% 32.3125%
32.3125% 32.3125%
22.8750% 22.8750%
100.0000% 100.0000%

TRACT 2

4 03560 T-27-N, R-7-W 320.00 1.323146%

Sec. 29: N/2
Royalty;
Working Interest:
El Paso Natural Gas Co.;
ORRI;
TOTAL
12.500% 12.500%
63.125% 63.125%
24.375% 24.375%
100.000% 100.000%

TRACT 3

F 078417 T-28-N, R-7-W 1,320.00 5.457976%

Sec. 16: S/2
Sec. 17: E/2
Sec. 20: NE/4
Sec. 21: N/2, N/2 S/2,
SE/4 SE/4
Royalty;
Working Interest:
Tenneco Oil Co.;
Continental Oil Co.;
ORRI;
TOTAL
12.50% 12.50%
42.00% 42.00%
42.00% 42.00%
3.50% 3.50%
100.00% 100.00%

TRACT 4

F 078417-A T-28-N, R-7-W 240.00 .992359%

Sec. 22: S/2 NW/4,
SW/4
Royalty;
Working Interest:
El Paso Natural Gas Co.;
Continental Oil Co.;
ORRI;
TOTAL
12.500000% 12.500000%
73.171875% 73.171875%
10.453125% 10.453125%
3.875000% 3.875000%
100.000000% 100.000000%

SCHEDULE XXVII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATI
			OWNERSHIP	PERCENTAGE		

078496

T-28-N, R-7-W 1,198.29
 Sec. 27: SE/4, E/2 NE/4
 Sec. 34: Lots 3,4, N/2 SW/4, NW/4 (W/2)
 Sec. 35: N/2
 T-27-N, R-7-W
 Sec. 3: Lots 3,4, S/2 NW/4
 Sec. 5: Lots 1,2, S/2 NE/4 (NE/4)

Royalty;
 Working Interest:
 Tenneco Oil Co.;
 Continental Oil Co.;
 ORRI;

TOTAL

12.50%
 42.50%
 42.50%
 3.50%
 100.00%

12.50%
 42.50%
 42.50%
 3.50%
 100.00%

4.954726%

078496

T-27-N, R-7-W 491.65
 Sec. 3: Lots 1,2, S/2 NE/4
 T-28-N, R-7-W
 Sec. 35: N/2 S/2, Lots 1,2,3,4, (S/2)

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

TOTAL

12.50%
 84.50%
 3.50%
 100.00%

12.50%
 84.50%
 3.50%
 100.00%

2.032889%

F 078496-A

T-28-N, R-7-W 801.83
 Sec. 26: SW/4
 Sec. 34: Lots 1,2, N/2 SE/4, NE/4 (E/2)

Royalty;
 Working Interest:
 El Paso Natural Gas Co.;
 Continental Oil Co.;
 ORRI;

TOTAL

12.500000%
 73.171875%
 10.453125%
 3.875000%
 100.000000%

12.500000%
 73.171875%
 10.453125%
 3.875000%
 100.000000%

3.315431%

Effective MAY 1 1975

SCHEDULE XXVII

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

SF 078497 T-28-N, R-7-W 720.00 2.977078%

Sec. 29: W/2 12.50% 12.50%
 Sec. 16: N/2 42.00% 42.00%
 Sec. 20: N/2 SE/4 42.00% 42.00%
 ORRI; 3.50% 3.50%
 TOTAL 100.00% 100.00%

TRACT 7

Royalty;
 Working Interest:
 Tenneco Oil Co.;
 Continental Oil Co.;
 ORRI;
 TOTAL

TRACT 8

SF 078497-A T-28-N, R-7-W 320.00 1.323146%

Sec. 20: W/2 12.500000% 12.500000%
 Royalty;
 Working Interest:
 El Paso Natural Gas Co.;
 Continental Oil Co.;
 ORRI;
 TOTAL

TRACT 9

SF 078498 T-28-N, R-7-W 1988.00 8.220042%

Sec. 27: N/2, W/2 NE/4 12.50% 12.50%
 Sec. 28: W/2 42.25% 42.25%
 Sec. 33: Lots 1,2,3,4, N/2 S/2, N/2 42.25% 42.25%
 (A11) 3.00% 3.00%
 Sec. 29: E/2 100.00% 100.00%
 Sec. 32: Lots 1,2, N/2 SE/4, NE/4

TOTAL

SCHEDULE XXVII

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

TRACT 9-A

SF 078498-A		T-28-N, R-7-W	515.36			
	Sec. 28:	SE/4, NE/4 NE/4		12.500000%	12.500000%	2.130926%
	Sec. 32:	NE/4 NE/4		73.171875%	73.171875%	
		Sec. 32: Lots 3,4, N/2 SW/4, NW/4		10.453125%	10.453125%	
				3.875000%	3.875000%	
				100.000000%	100.000000%	
		Royalty;				
		Working Interest:				
		E1 Paso Natural Gas Co.;				
		Continental Oil Co.;				
		ORRI;				
		TOTAL				

TRACT 10

SF 078500-A		T-28-N, R-7-W	200.00			
	Sec. 30:	W/2 NE/4, NE/4 NE/4, S/2 SE/4		12.50%	12.50%	.826966%
				42.25%	42.25%	
				42.25%	42.25%	
				3.00%	3.00%	
				100.00%	100.00%	
		Royalty;				
		Working Interest:				
		Tenneco Oil Co.;				
		Continental Oil Co.;				
		ORRI;				
		TOTAL				

TRACT 11

SF 078655		T-27-N, R-7-W	320.00			
	Sec. 5:	SE/4		12.500000%	12.500000%	1.323146%
	Sec. 8:	NW/4		34.500000%	34.500000%	
				34.500000%	34.500000%	
				18.500000%	18.500000%	
				100.000000%	100.000000%	
		Royalty;				
		Working Interest:				
		Tenneco Oil Co.;				
		Continental Oil Co.;				
		ORRI;				
		TOTAL				

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
SF 078565-A	<u>TRACT 12</u>						
	T-27-N, R-7-W		320.52				
	Sec. 5: Lots 3,4, S/2 NW/4, SW/4 (W/2)						
	Royalty;		12.50000%	12.50000%	1.325296%		
	Working Interest:						
	Koch Industries, Inc.;		75.68750%	75.68750%			
	Reserve Oil & Gas Co.;		10.81250%	10.81250%			
	ORRI;		1.00000%	1.00000%			
	TOTAL		100.00000%	100.00000%			
	<u>TRACT 13</u>						
SF 078569	T-27-N, R-7-W		320.00				
	Sec. 8: SW/4, NE/4						
	Royalty;		12.500000%	12.500000%	1.323146%		
	Working Interest:						
	El Paso Natural Gas Co.;		82.500000%	82.500000%			
	ORRI;		5.000000%	5.000000%			
	TOTAL		100.000000%	100.000000%			
	<u>TRACT 14</u>						
	SF 078570	T-27-N, R-7-W		640.00			
		Sec. 4: S/2					
Sec. 8: SE/4							
Sec. 9: NW/4							
Royalty;		12.50%	12.50%	2.646291%			
Working Interest:							
Tenneco Oil Co.;		80.50%	80.50%				
ORRI;		7.00%	7.00%				
TOTAL		100.00%	100.00%				

2.646291%

1.323146%

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 15						
SF 078640	T-27-N, R-7-W	2240.00	Royalty;	12.50%	12.50%	9.262020%
	Sec. 9: SW/4		Working Interest:			
	Sec. 15: W/2		El Paso Natural Gas Co.;	82.50%	82.50%	
	Sec. 17: E/2		ORRI;	5.00%	5.00%	
	Sec. 20: E/2		TOTAL	100.00%	100.00%	
	Sec. 21: W/2					
	Sec. 22: W/2					
	Sec. 27: NW/4					
	Sec. 28: N/2					
TRACT 16						
SF 078335	T-27-N, R-7-W	320.00	Royalty;	12.500%	12.500%	1.323146%
	Sec. 7: E/2		Working Interest:			
			El Paso Natural Gas Co.;	84.000%	84.000%	
			ORRI;	3.500%	3.500%	
			TOTAL	100.000%	100.000%	
TRACT 18						
SF 078840	T-27-N, R-7-W	320.00	Royalty;	12.50%	12.50%	1.323146%
	Sec. 18: E/2		Working Interest:			
			Tenneco Oil Co.;	33.50%	33.50%	
			Continental Oil Co.;	33.50%	33.50%	
			ORRI;	20.50%	20.50%	
			TOTAL	100.00%	100.00%	

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 19						
SF 078972	T-27-N, R-7-W	1600.00	Royalty;	12.50%	12.50%	6.615728%
	Sec. 3: S/2		Working Interest;	82.50%	82.50%	
	Sec. 10: A11		Mesa Petroleum Co.;	5.00%	5.00%	
	Sec. 11: A11		ORRI;	100.00%	100.00%	
			TOTAL			
TRACT 20						
SF 078972-A	T-27-N, R-7-W	320.00	Royalty;	12.5000%	12.5000%	1.323145%
	Sec. 9: E/2		Working Interest;	39.1666%	39.1666%	
			El Paso Natural Gas Co.;	13.7500%	13.7500%	
			J. Glenn Turner;	13.7500%	13.7500%	
			Dixie McLane Trust;	6.6667%	6.6667%	
			W. Peavy;	6.6667%	6.6667%	
			Margaret Hotchkiss, Guardian;	7.5000%	7.5000%	
			ORRI;	100.0000%	100.0000%	
			TOTAL			
TRACT 21						
SF 079289	T-28-N, R-7-W	1082.18	Royalty;	12.50%	12.50%	4.474631%
	Sec. 14: E/2		Working Interest;	34.50%	34.50%	
	Sec. 22: N/2 NW/4		Tenneco Oil Co.;	34.50%	34.50%	
	Sec. 12: Lots 1-4,		Continental Oil Co.;	18.50%	18.50%	
	S/2 S/2 (A11)		ORRI;	100.00%	100.00%	
	Sec. 10: Lot 1, SE/4 SE/4		TOTAL			
	Sec. 15: E/2					

SCHEDULE XXVII

WELL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 22						
F 079289-A	T-28-N, R-7-W Sec. 14: W/2 Sec. 22: E/2	640.00	Royalty; Working Interest: El Paso Natural Gas Co.; Thelma F. Simmons, Indiv. & as Indep. Executrix of the Estate of D. J. Simmons TOTAL	12.500% 52.500% 35.000% 100.000%	12.500% 52.500% 35.000% 100.000%	<u>2.646291%</u>
	T-28-N, R-7-W Sec. 11: Lots 1,2,3, 4, S/2 S/2 (A11) Sec. 15: W/2	612.80	Royalty; Working Interest: Koch Industries, Inc.; Reserve Oil & Gas Co.; ORRI; TOTAL	12.5000% 76.5625% 10.9375% - 0 - 100.0000%	12.5000% 76.5625% 10.9375% - 0 - 100.0000%	<u>2.533824%</u>
F 079290	T-28-N, R-7-W Sec. 13: E/2 Sec. 23: W/2 Sec. 24: W/2 Sec. 26: N/2	1,280.00	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI; TOTAL	12.50% 34.50% 34.50% 18.50% 100.00%	12.50% 34.50% 34.50% 18.50% 100.00%	<u>5.292583%</u>
TRACT 23						

SCHEDULE XXVII

AL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 24						
: 079290-A	T-28-N, R-7-W	640.00	Royalty;	12.5000%	12.5000%	<u>2.646291%</u>
	Sec. 23: E/2		Working Interest:			
	Sec. 24: E/2		Koch Industries, Inc.;	76.5625%	76.5625%	
			Reserve Oil & Gas Co.;	10.9375%	10.9375%	
			ORRI;	.0000%	.0000%	
			TOTAL	<u>100.0000%</u>	<u>100.0000%</u>	
	T-28-N, R-7-W	320.00	Royalty;	12.5000%	12.5000%	<u>1.323145%</u>
	Sec. 13: W/2		Working Interest:			
			El Paso Natural Gas Co.;	51.9000%	51.9000%	
			Thelma F. Simmons, Indiv. & as			
			Indep. Executrix of the Estate of	34.6000%	34.6000%	
			D. J. Simmons	<u>1.0000%</u>	<u>1.0000%</u>	
			ORRI;	<u>100.0000%</u>	<u>100.0000%</u>	
:F 079290-B	T-28-N, R-7-W	160.00	Royalty;	12.500%	12.500%	<u>.661573%</u>
	Sec. 25: NW/4		Working Interest:			
			Mesa Petroleum Company	87.500%	87.500%	
			ORRI;	- 0 -	- 0 -	
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	
	T-28-N, R-7-W	160.00	Royalty;	12.500%	12.500%	<u>.661573%</u>
	Sec. 25: NE/4		Working Interest:			
			Thelma F. Simmons, Indiv. & as			
			Indep. Executrix of the Estate	87.500%	87.500%	
			of D. J. Simmons	- 0 -	- 0 -	
			ORRI;	<u>100.000%</u>	<u>100.000%</u>	
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	

SCHEDULE XXVII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
<u>TRACT 25</u>						
SF 079294	T-28-N, R-7-W	1,136.88				<u>4.700806%</u>
	Sec. 25: S/2		Royalty;	12.50%	12.50%	
	Sec. 26: SE/4		Working Interest;			
	Sec. 36: Lots 1,2,3,4,		Mesa Petroleum Co.;	85.50%	85.50%	
	N/2 S/2, N/2 (A11)		ORRI;	<u>2.00%</u>	<u>2.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 26</u>						
SF 079298-B	T-27-N, R-7-W	640.00				<u>2.646291%</u>
	Sec. 12: A11		Royalty;	12.50%	12.50%	
			Working Interest;			
			El Paso Natural Gas Co.;	81.50%	81.50%	
			ORRI;	<u>6.00%</u>	<u>6.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 27</u>						
SF 079321-A	T-27-N, R-7-W	639.20				<u>2.642983%</u>
	Sec. 1: Lots 1,2,		Royalty;	12.50%	12.50%	
	3,4, S/2		Working Interest;			
	N/2, S/2 (A11)		El Paso Natural Gas Co.;	81.50%	81.50%	
			ORRI;	<u>6.00%</u>	<u>6.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 28</u>						
E-290-28	T-27-N, R-7-W	278.96				<u>1.153452%</u>
	Sec. 2: SW/4 SE/4,		Royalty;	12.50%	12.50%	
	SW/4, Lots		Working Interest;			
	3 & 4		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>	

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E-290-3	T-27-N, R-7-W Sec. 2: Lot 2, SW/4 NE/4, NW/4 SE/4	119.54	<u>TRACT 29</u>			
			Royalty;	12.50%	12.50%	.494278%
			Working Interest; The Wiser Oil Company;	87.50%	87.50%	
			ORRI; TOTAL	.00% 100.00%	.00% 100.00%	
E-290-28	T-27-N, R-7-W Sec. 2: Lot 1, SE/4 NE/4, NE/4 SE/4	119.58	<u>TRACT 30</u>			
			Royalty;	12.50%	12.50%	.494443%
			Working Interest; El Paso Natural Gas Co.;	87.50%	87.50%	
			ORRI; TOTAL	.00% 100.00%	.00% 100.00%	
E-290-33	T-27-N, R-7-W Sec. 2: SE/4 SE/4, S/2 NW/4	120.00	<u>TRACT 31</u>			
			Royalty;	12.50%	12.50%	.496180%
			Working Interest; El Paso Natural Gas Co.;	75.00%	75.00%	
			ORRI; TOTAL	12.50% 100.00%	12.50% 100.00%	

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICI
			OWNERSHIP	PERCENTAGE		
TRACT 32						
E-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	Royalty;	12.50%	12.50%	<u>.165393%</u>
			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>	
TRACT 33						
E-4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	Royalty;	12.50%	12.50%	<u>.165393%</u>
			Working Interest:			
			El Paso Natural Gas Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
TRACT 34						
E-4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	Royalty;	12.50%	12.50%	<u>.165393%</u>
			Working Interest:			
			Mesa Petroleum Co.;	84.50%	84.50%	
			ORRI;	3.00%	3.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
TRACT 35						
E-2825-6	T-27-N, R-7-W Sec. 16: E/2, SW/4, SE/4 NW/4	520.00	Royalty;	12.50%	12.50%	<u>2.150112%</u>
			Working Interest:			
			Mesa Petroleum Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIC
			OWNERSHIP	PERCENTAGE		

TRACT 36

Fee	T-28-N, R-7-W Sec. 28: W/2 NE/4, SE/4 NE/4	120.00				
	Royalty;			12.5000%	12.5000%	.496180%
	Working Interest:					
	El Paso Natural Gas Co.;			76.5625%	76.5625%	
	Continental Oil Co.;			10.9375%	10.9375%	
	ORRI;			0.0000%	0.0000%	
	TOTAL			100.0000%	100.0000%	

TRACT 36-A

Fee	T-28-N, R-7-W Sec. 20: S/2 SE/4 Sec. 21: SW/4 SE/4, S/2 SW/4 Sec. 30: SE/4 NE/4, N/2 SE/4	320.00				
	Royalty;			12.50%	12.50%	1.323145%
	Working Interest:					
	Tenneco Oil Co.;			43.75%	43.75%	
	Continental Oil Co.;			43.75%	43.75%	
	ORRI;			0.00%	0.00%	
	TOTAL			100.00%	100.00%	

RECAPITULATION

Description of Land in Participating Area:

<u>Township 27 North, Range 7 West, N.M.P.M.</u>		<u>Township 28 North, Range 7 West, N.M.P.M.</u>	
Section 1:	A11	Section 10:	Lot 1, SE/4 SE/4
Section 2:	A11	Section 11:	A11
Section 3:	A11	Section 12:	A11
Section 4:	A11	Section 13:	A11
Section 5:	A11	Section 14:	A11
Section 7:	E/2	Section 15:	A11
Section 8:	A11	Section 16:	A11
Section 9:	A11	Section 17:	E/2
Section 10:	A11	Section 20:	A11
Section 11:	A11	Section 21:	A11
Section 12:	A11	Section 22:	A11
Section 15:	W/2	Section 23:	A11
Section 16:	A11	Section 24:	A11
Section 17:	A11	Section 25:	A11
Section 18:	E/2	Section 26:	A11
Section 20:	A11	Section 27:	A11
Section 21:	W/2	Section 28:	A11
Section 22:	W/2	Section 29:	A11
Section 27:	NW/4	Section 30:	E/2
Section 28:	N/2	Section 32:	A11
Section 29:	N/2	Section 33:	A11
		Section 34:	A11
		Section 35:	A11
		Section 36:	A11

Total Number of Proven Acres:

Total Number of Committed Acres in Participating Area:

24,184.79
24,184.79

Percent of Basic Royalty Interest Committed:

100.00%

Percent of Working Interest Committed:

100.00%

Percent of O.R.R.I. Committed:

100.00%

SCHEDULE XXVIII
TWENTY-SEVENTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 28-7 UNIT AREA

AL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE		
TRACT 1						
1 03521	T-27-N, R-7-W Sec. 17: W/2 Sec. 20: W/2	640.00	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.5000% 32.3125% 32.3125% 22.8750% 100.0000%	12.5000% 32.3125% 32.3125% 22.8750% 100.0000%	<u>2.096571%</u>
TRACT 2						
1 03560	T-27-N, R-7-W Sec. 29: N/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 63.125% 24.375% 100.000%	12.500% 63.125% 24.375% 100.000%	<u>1.048286%</u>
TRACT 3						
	T-27-N, R-7-W Sec. 29: S/2 Sec. 30: Lots 1-4, E/2 W/2, E/2 (A11)	961.44	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.500% 31.5625% 31.5625% 24.3750% 100.0000%	12.500% 31.5625% 31.5625% 24.3750% 100.0000%	<u>3.149574%</u>
TRACT 3						
1 078417	T-28-N, R-7-W Sec. 7: S/2 SE/4, SE/4 SW/4 Sec. 8: S/2 SW/4 Sec. 16: S/2 Sec. 17: A11 Sec. 18: E/2 Sec. 20: NE/4 Sec. 21: N/2, N/2 S/2, SE/4 SE/4	2,160.00	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.50% 42.00% 42.00% 3.50% 100.00%	12.50% 42.00% 42.00% 3.50% 100.00%	<u>7.075928%</u>

SCHEDULE XXVIII

AL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE			
F 078417-A			<u>TRACT 4</u>				
	T-28-N, R-7-W	320.00	Royalty;	12.500000%	12.500000%	<u>1.048286%</u>	
	Sec. 18: E/2 NW/4		Working Interest:	73.171875%	73.171875%		
	Sec. 22: S/2 NW/4, SW/4		El Paso Natural Gas Co.;	10.453125%	10.453125%		
			Continental Oil Co.;	3.875000%	3.875000%		
			ORRI;				
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>		
			<u>TRACT 5</u>				
	F 078496			<u>TRACT 5</u>			
		T-28-N, R-7-W	1,198.29	Royalty;	12.50%	12.50%	<u>3.925470%</u>
Sec. 27: SE/4, E/2 NE/4			Working Interest:	42.50%	42.50%		
Sec. 34: Lots 3,4, N/2 SW/4, NW/4 (W/2)			Tenneco Oil Co.;	42.50%	42.50%		
Sec. 35: N/2			Continental Oil Co.;	3.50%	3.50%		
T-27-N, R-7-W			ORRI;				
Sec. 3: Lots 3,4, S/2 NW/4			TOTAL	<u>100.00%</u>	<u>100.00%</u>		
Sec. 5: Lots 1,2, S/2 NE/4 (NE/4)			<u>TRACT 5</u>				
F 078496				<u>TRACT 5</u>			
		T-27-N, R-7-W	491.65	Royalty;	12.50%	12.50%	<u>1.610593%</u>
	Sec. 3: Lots 1,2, S/2 NE/4		Working Interest:	84.50%	84.50%		
			El Paso Natural Gas Co.;	3.50%	3.50%		
			ORRI;				
	T-28-N, R-7-W		TOTAL	<u>100.00%</u>	<u>100.00%</u>		
	Sec. 35: N/2 S/2, Lots 1,2,3,4, (S/2)		<u>TRACT 6</u>				
	SF 078496-A			<u>TRACT 6</u>			
		T-28-N, R-7-W	801.83	Royalty;	12.500000%	12.500000%	<u>2.626709%</u>
		Sec. 26: SW/4		Working Interest:	73.171875%	73.171875%	
Sec. 34: Lots 1,2, N/2 SE/4, NE/4 (E/2)			El Paso Natural Gas Co.;	10.453125%	10.453125%		
			Continental Oil Co.;	3.875000%	3.875000%		
			ORRI;				
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>		

Effective July 1, 1975

SCHEDULE XXVIII

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

TRACT 6 (Continued)

: 078496-A T-27-N, R-7-W
Sec. 4: Lots 1,2,3,4,
S/2 N/2

TRACT 7

: 078497 T-28-N, R-7-W 1,639.56
Sec. 7: Lots 1-5
Sec. 8: Lots 1-4, S/2 SE/4
Sec. 16: N/2
Sec. 19: Lot 1, E/2 W/2, E/2
Sec. 20: N/2 SE/4
Sec. 29: W/2

Royalty;
Working Interest:
Tenneco Oil Co.;
Continental Oil Co.;
ORRI;
TOTAL

12.50%
42.00%
42.00%
3.50%
100.00%

12.50%
42.00%
42.00%
3.50%
100.00%

5.371023%

TRACT 8

: 078497-A T-28-N, R-7-W 844.40
Sec. 9: Lots 1-4, S/2 S/2
(A11)
Sec. 18: Lots 1-4, E/2 SW/4
Sec. 20: W/2

Royalty;
Working Interest:
El Paso Natural Gas Co.;
Continental Oil Co.;
ORRI;
TOTAL

12.500000%
73.171875%
10.453125%
3.875000%
100.000000%

12.500000%
73.171875%
10.453125%
3.875000%
100.000000%

2.766164%

TRACT 9

F 078498 T-28-N, R-7-W 1,988.00
Sec. 27: W/2, W/2 NE/4
Sec. 28: W/2
Sec. 29: E/2
Sec. 32: Lots 1,2, N/2 SE/4,
NE/4
Sec. 33: Lots 1,2,3,4, N/2
S/2, N/2 (A11)

Royalty;
Working Interest:
Tenneco Oil Co.;
Continental Oil Co.;
ORRI;
TOTAL

12.50%
42.25%
42.25%
3.00%
100.00%

12.50%
42.25%
42.25%
3.00%
100.00%

6.512475%

SCHEDULE XXVIII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078498-A	T-28-N, R-7-W Sec. 28: SE/4, NE/4 Sec. 32: Lots 3, 4, N/2 SW/4, NW/4	515.36	TRACT 9-A			
	Royalty; Working Interest: El Paso Natural Gas Co.; Continental Oil Co.; ORRI;			12.500000%	12.500000%	1.688264%
				73.171875%	73.171875%	
				10.453125%	10.453125%	
				3.875000%	3.875000%	
	TOTAL			100.000000%	100.000000%	
			TRACT 10			
SF 078500-A	T-28-N, R-7-W Sec. 19: Lots 2, 3, 4 Sec. 30: W/2 NE/4, NE/4 NE/4, S/2 SE/4 Sec. 31: Lots 1-7, E/2 NW/4, NE/4 SW/4, NE/4, N/2 SE/4 (A11)	925.36	TRACT 10-A			
	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;			12.50%	12.50%	3.031380%
				42.25%	42.25%	
				42.25%	42.25%	
				3.00%	3.00%	
	TOTAL			100.00%	100.00%	
			TRACT 10-A			
SF 078500	T-28-N, R-7-W Sec. 30: Lots 1-3, E/2 NW/4	189.30	TRACT 11			
	Royalty; Working Interest: El Paso Natural Gas Co.; Continental Oil Co.; ORRI;			12.500000%	12.500000%	.620126%
				73.171875%	73.171875%	
				10.453125%	10.453125%	
				3.875000%	3.875000%	
				100.000000%	100.000000%	
			TRACT 11			
SF 078656	T-27-N, R-7-W Sec. 5: SE/4 Sec. 8: NW/4	320.00	TRACT 11			
	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;			12.500000%	12.500000%	1.048286%
				34.500000%	34.500000%	
				34.500000%	34.500000%	
				18.500000%	18.500000%	
	TOTAL			100.000000%	100.000000%	

SCHEDULE XXVIII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 12</u>						
SF 078565-A	<u>T-27-N, R-7-W</u>	320.52	Royalty; Working Interest:	12.50000%	12.5000%	<u>1.049989%</u>
	Sec. 5: <u>Lots 3,4, S/2</u> NW/4, SW/4 (W/2)		Koch Industries, Inc.; Reserve Oil & Gas Co.; ORRI;	75.68750% 10.81250% <u>1.00000%</u>	75.68750% 10.81250% <u>1.00000%</u>	
	TOTAL			<u>100.00000%</u>	<u>100.00000%</u>	
<u>TRACT 13</u>						
SF 078569	<u>T-27-N, R-7-W</u>	320.00	Royalty; Working Interest:	12.500000%	12.500000%	<u>1.048285%</u>
	Sec. 8: <u>SW/4, NE/4</u>		El Paso Natural Gas Co.; ORRI;	82.500000% <u>5.000000%</u>	82.500000% <u>5.000000%</u>	
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 14</u>						
SF 078570	<u>T-27-N, R-7-W</u>	640.00	Royalty; Working Interest:	12.50%	12.50%	<u>2.096571%</u>
	Sec. 4: <u>S/2</u>		Tenneco Oil Co.; ORRI;	80.50% <u>7.00%</u>	80.50% <u>7.00%</u>	
	Sec. 8: <u>SE/4</u>			<u>100.00%</u>	<u>100.00%</u>	
	Sec. 9: <u>NW/4</u>					
	TOTAL					
<u>TRACT 15</u>						
SF 078640	<u>T-27-N, R-7-W</u>	2,240.00	Royalty; Working Interest:	12.50%	12.50%	<u>7.338000%</u>
	Sec. 9: <u>SW/4</u>		El Paso Natural Gas Co.; ORRI;	82.50% <u>5.00%</u>	82.50% <u>5.00%</u>	
	Sec. 15: <u>W/2</u>			<u>100.00%</u>	<u>100.00%</u>	
	Sec. 17: <u>E/2</u>					
	Sec. 20: <u>E/2</u>					
	Sec. 21: <u>W/2</u>					

SCHEDULE XXVIII

ALL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 16</u>						
F 078835	T-27-N, R-7-W	640.20				<u>2.097227%</u>
	Sec. 6: Lots 3,4,5,6,7, SE/4 NW/4, E/2 SW/4 (W/2)		Royalty;	12.500%	12.500%	
	Sec. 7: E/2		Working Interest:	84.000%	84.000%	
			El Paso Natural Gas Co.;	3.500%	3.500%	
			ORRI;	<u>100.000%</u>	<u>100.000%</u>	
			TOTAL			
<u>TRACT 17</u>						
F 078835-A	T-27-N, R-7-W	640.86				<u>2.099389%</u>
	Sec. 6: Lots 1,2, S/2 NE/4, SE/4 (E/2)		Royalty;	12.500000%	12.500000%	
	Sec. 7: Lots 1-4, E/2 W/2 (W/2)		Working Interest:	33.500000%	33.500000%	
			Tenneco Oil Co.;	33.500000%	33.500000%	
			Continental Oil Co.;	20.500000%	20.500000%	
			ORRI;	<u>100.000000%</u>	<u>100.000000%</u>	
			TOTAL			
<u>TRACT 18</u>						
F 078840	T-27-N, R-7-W	961.15				<u>3.148624%</u>
	Sec. 18: E/2		Royalty;	12.50%	12.50%	
	Sec. 19: Lots 1-4, E/2 W/2, E/2 (A11)		Working Interest:	33.50%	33.50%	
			Tenneco Oil Co.;	33.50%	33.50%	
			Continental Oil Co.;	20.50%	20.50%	
			ORRI;	<u>100.00%</u>	<u>100.00%</u>	
			TOTAL			
<u>TRACT 19</u>						
	T-27-N, R-7-W	160.21				<u>.524831%</u>
	Sec. 18: Lots 1,2, E/2 NW/4		Royalty;	12.500%	12.500%	
			Working Interest:	67.000%	67.000%	
			El Paso Natural Gas Co.;	20.500%	20.500%	
			ORRI;	<u>100.000%</u>	<u>100.000%</u>	
			TOTAL			

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SCHEDULE XXVIII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 19						
078972	T-27-N, R-7-W	1,600.00	Royalty;	12.50%	12.50%	5.241428%
	Sec. 3: S/2		Working Interest			
	Sec. 10: A11		Mesa Petroleum Co.;	82.50%	82.50%	
	Sec. 11: A11		ORRI;	5.00%	5.00%	
				100.00%	100.00%	
TRACT 20						
078972-A	T-27-N, R-7-W	320.00	Royalty;	12.5000%	12.5000%	1.048285%
	Sec. 9: E/2		Working Interest;			
			El Paso Natural Gas Co.;	39.1666%	39.1666%	
			Est. of J. Glenn Turner;	13.7500%	13.7500%	
			Dixie McLane Trust;	13.7500%	13.7500%	
			W. Peavy, et ux;	6.6667%	6.6667%	
			Margaret Hotchkiss, Guardian;	6.6667%	6.6667%	
			ORRI;	7.5000%	7.5000%	
			TOTAL	100.0000%	100.0000%	
TRACT 21						
079289	T-28-N, R-7-W	1,304.48	Royalty;	12.50%	12.50%	4.273337%
	Sec. 10: Lots 1-4, S/2 S/2 (A11)		Working Interest;			
	Sec. 12: Lots 1-4, S/2 S/2 (A11)		Tenneco Oil Co.;	34.50%	34.50%	
	Sec. 14: E/2		Continental Oil Co.;	34.50%	34.50%	
	Sec. 15: E/2		ORRI;	18.50%	18.50%	
	Sec. 22: N/2 NW/4		TOTAL	100.00%	100.00%	

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SCHEDULE XXVIII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 22						
079289-A	T-28-N, R-7-W Sec. 14: W/2 Sec. 22: E/2	640.00	Royalty; Working Interest: El Paso Natural Gas Co.; Thelma F. Simmons, Indiv. & as Indep. Executrix of the Estate of D. J. Simmons	12.500% 52.500% 35.000% 100.000%	12.500% 52.500% 35.000% 100.000%	2.096571%
TRACT 23						
	T-28-N, R-7-W Sec. 11: Lots 1,2,3, 4, S/2 S/2 (A11) Sec. 15: W/2	612.80	Royalty; Working Interest: Koch Industries, Inc.; Reserve Oil & Gas Co.; ORRI;	12.5000% 76.5625% 10.9375% - 0 - 100.0000%	12.5000% 76.5625% 10.9375% - 0 - 100.0000%	2.007467%
TRACT 23						
079290	T-28-N, R-7-W Sec. 13: E/2 Sec. 23: W/2 Sec. 24: W/2 Sec. 26: N/2	1,280.00	Royalty; Working Interest: Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.50% 34.50% 34.50% 18.50% 100.00%	12.50% 34.50% 34.50% 18.50% 100.00%	4.193143%

SCHEDULE XXVIII

AL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 24						
079290-A	T-28-N, R-7-W Sec. 23: E/2 Sec. 24: E/2	640.00	Royalty; Working Interest: Koch Industries, Inc.; Reserve Oil & Gas Co.; ORRI;	12.5000% 76.5625% 10.9375% .0000% 100.0000%	12.5000% 76.5625% 10.9375% .0000% 100.0000%	2.096571%
TRACT 24-A						
	T-28-N, R-7-W Sec. 13: W/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; Thelma F. Simmons, Indiv. & as Indep. Executrix of the Estate of D. J. Simmons ORRI;	12.5000% 51.9000% 34.6000% 1.0000% 100.0000%	12.5000% 51.9000% 34.6000% 1.0000% 100.0000%	1.048285%
TRACT 24-A						
F 079290-B	T-28-N, R-7-W Sec. 25: NW/4	160.00	Royalty; Working Interest: Mesa Petroleum Company ORRI;	12.500% 87.500% - 0 - 100.000%	12.500% 87.500% - 0 - 100.000%	.524143%
TRACT 24-A						
	T-28-N, R-7-W Sec. 25: NE/4	160.00	Royalty; Working Interest: Thelma F. Simmons, Indiv. & as Indep. Executrix of the Estate of D. J. Simmons ORRI;	12.500% 87.500% - 0 - 100.000%	12.500% 87.500% - 0 - 100.000%	.524143%
TRACT 24-A						
	TOTAL			100.000%	100.000%	
Effective July 1, 1975						

SCHEDULE XXVIII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079294	T-28-N, R-7-W Sec. 25: S/2 Sec. 26: SE/4 Sec. 36: Lots 1,2,3,4, N/2 S/2, N/2 (A11)	1,136.88	Royalty; Working Interest: Mesa Petroleum Co.; ORRI;	12.50% 85.50% 2.00% 100.00%	12.50% 85.50% 2.00% 100.00%	<u>3.724297%</u>
			<u>TRACT 25</u>			
SF 079298-B	T-27-N, R-7-W Sec. 12: A11	640.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 81.50% 6.00% 100.00%	12.50% 81.50% 6.00% 100.00%	<u>2.096571%</u>
			<u>TRACT 26</u>			
SF 079321-A	T-27-N, R-7-W Sec. 1: Lots 1,2, 3,4, S/2 N/2, S/2 (A11)	639.20	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 81.50% 6.00% 100.00%	12.50% 81.50% 6.00% 100.00%	<u>2.093951%</u>
			<u>TRACT 27</u>			
E-290-28	T-27-N, R-7-W Sec. 2: SW/4 SE/4, SW/4, Lots 3 & 4	278.96	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%	<u>.913643%</u>
			<u>TRACT 28</u>			

SCHEDULE XXVIII

IAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 29</u>						
--290-3	<u>T-27-N, R-7-W</u>	119.54	Royalty;	12.50%	12.50%	<u>.391600%</u>
	Sec. 2: Lot 2,		Working Interest:	87.50%	87.50%	
	SW/4 NE/4,		The Wiser Oil Company;	.00%	.00%	
	NW/4 SE/4		ORRI;	<u>100.00%</u>	<u>100.00%</u>	
	<u>TRACT 30</u>					
--290-28	<u>T-27-N, R-7-W</u>	119.58	Royalty;	12.50%	12.50%	<u>.391731%</u>
	Sec. 2: Lot 1,		Working Interest:	87.50%	87.50%	
	SE/4 NE/4,		El Paso Natural Gas Co.;	.00%	.00%	
	NE/4 SE/4		ORRI;	<u>100.00%</u>	<u>100.00%</u>	
	<u>TRACT 31</u>					
--290-33	<u>T-27-N, R-7-W</u>	120.00	Royalty;	12.50%	12.50%	<u>.393107%</u>
	Sec. 2: SE/4 SE/4,		Working Interest:	75.00%	75.00%	
	S/2 NW/4		El Paso Natural Gas Co.;	12.50%	12.50%	
			ORRI;	<u>100.00%</u>	<u>100.00%</u>	
	<u>TOTAL</u>					

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SCHEDULE XXVIII

AL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
-4425-25	<u>T-27-N, R-7-W</u> Sec. 16: NW/4 NW/4	40.00	<u>TRACT 32</u>			<u>.131036%</u>
	Royalty;			12.50%	12.50%	
	Working Interest:			83.50%	83.50%	
	El Paso Natural Gas Co.;			<u>4.00%</u>	<u>4.00%</u>	
	ORRI;			<u>100.00%</u>	<u>100.00%</u>	
	TOTAL					
			<u>TRACT 33</u>			
-4425-48	<u>T-27-N, R-7-W</u> Sec. 16: NE/4 NW/4	40.00	<u>TRACT 33</u>			<u>.131036%</u>
	Royalty;			12.50%	12.50%	
	Working Interest:			82.50%	82.50%	
	El Paso Natural Gas Co.;			<u>5.00%</u>	<u>5.00%</u>	
	ORRI;			<u>100.00%</u>	<u>100.00%</u>	
	TOTAL					
			<u>TRACT 34</u>			
-4425-46	<u>T-27-N, R-7-W</u> Sec. 16: SW/4 NW/4	40.00	<u>TRACT 34</u>			<u>.131036%</u>
	Royalty;			12.50%	12.50%	
	Working Interest:			84.50%	84.50%	
	Mesa Petroleum Co.;			<u>3.00%</u>	<u>3.00%</u>	
	ORRI;			<u>100.00%</u>	<u>100.00%</u>	
	TOTAL					
			<u>TRACT 35</u>			
-2825-6	<u>T-27-N, R-7-W</u> Sec. 16: E/2, SW/4, SE/4 NW/4	520.00	<u>TRACT 35</u>			<u>1.703464%</u>
	Royalty;			12.50%	12.50%	
	Working Interest:			82.50%	82.50%	
	Mesa Petroleum Co.;			<u>5.00%</u>	<u>5.00%</u>	
	ORRI;			<u>100.00%</u>	<u>100.00%</u>	
	TOTAL					

SCHEDULE XXVIII

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

TRACT 36

Fee	<u>T-28-N, R-7-W</u> 236.46	Royalty;	12.5000%	12.5000%	<u>.774618%</u>
	Sec. 28: <u>W/2 NE/4, SE/4 NE/4</u>	Working Interest:			
	Sec. 30: Lot 4, E/2 SW/4	El Paso Natural Gas Co.;	76.5625%	76.5625%	
		Continental Oil Co.;	10.9375%	10.9375%	
		ORRI;	0.0000%	0.0000%	
		TOTAL	<u>100.0000%</u>	<u>100.0000%</u>	

TRACT 36-A

Fee	<u>T-28-N, R-7-W</u> 320.00	Royalty;	12.50%	12.50%	<u>1.048285%</u>
	Sec. 20: <u>S/2 SE/4</u>	Working Interest:			
	Sec. 21: <u>SW/4 SE/4, S/2 SW/4</u>	Tenneco Oil Co.;	43.75%	43.75%	
	Sec. 30: <u>SE/4 NE/4, N/2 SE/4</u>	Continental Oil Co.;	43.75%	43.75%	
		ORRI;	0.00%	0.00%	
		TOTAL	<u>100.00%</u>	<u>100.00%</u>	

RECAPITULATION

Description of Land in Participating Area:

<u>Township 27 North, Range 7 West, N.M.P.M.</u>		<u>Township 28 North, Range 7 West, N.M.P.M.</u>	
Section 1:	A11	Section 7:	A11
Section 2:	A11	Section 8:	A11
Section 3:	A11	Section 9:	A11
Section 4:	A11	Section 10:	A11
Section 5:	A11	Section 11:	A11
Section 6:	A11	Section 12:	A11
Section 7:	A11	Section 13:	A11
Section 8:	A11	Section 14:	A11
Section 9:	A11	Section 15:	A11
Section 10:	A11	Section 16:	A11
Section 11:	A11	Section 17:	A11
Section 12:	A11	Section 18:	A11
Section 15:	W/2	Section 19:	A11
Section 16:	A11	Section 20:	A11
Section 17:	A11	Section 21:	A11
Section 18:	E/2, NW/4	Section 22:	A11
Section 19:	A11	Section 23:	A11
Section 20:	A11	Section 24:	A11
Section 21:	W/2	Section 25:	A11
Section 22:	W/2	Section 26:	A11
Section 27:	NW/4	Section 27:	A11
Section 28:	N/2	Section 28:	A11
Section 29:	A11	Section 29:	A11
Section 30:	A11	Section 30:	A11
		Section 31:	A11
		Section 32:	A11
		Section 33:	A11
		Section 34:	A11
		Section 35:	A11
		Section 36:	A11

Total Number of Proven Acres:	30,526.03
Total Number of Committed Acres in Participating Area:	30,526.03

Percent of Basic Royalty Interest Committed:	100.00%
Percent of Working Interest Committed:	100.00%
Percent of O.R.R.I. Committed:	100.00%

El Paso NATURAL GAS
COMPANY

P.O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 513-543-2600

OCT 10 1975

OIL CONSERVATION COMM.
Santa Fe

October 8, 1975

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 28-7 Unit
Twenty-Third, Twenty-Fourth and
Twenty-Fifth Revisions - Dakota
Participating Area - Effective
July 1, 1974, November 1, 1974,
and December 1, 1974, respectively
Rio Arriba County, New Mexico

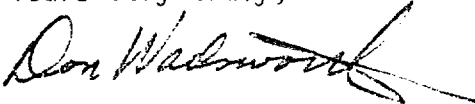
Gentlemen:

The referenced expansions of the San Juan 28-7 Unit Dakota Participating Area was approved by the Regulatory Agencies on the following dates:

United States Geological Survey	October 6, 1975
Commissioner of Public Lands	August 6, 1975
Oil Conservation Commission	August 8, 1975

Copies of this notice are being sent to the working interest owners of the San Juan 28-7 Unit.

Yours very truly,



Don Wadsworth
Landman
Land Department
Energy Resource Development

DW:nm
SJ 28-7, 5.0



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857

Roswell, New Mexico 88201

445

201 2 - 1975

October 6, 1975

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

Gentlemen:

Your application of July 25, 1975, requesting approval of the twenty-third, twenty-fourth and twenty-fifth revisions of the Dakota participating area for the San Juan 28-7 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-459, was approved October 6, 1975, by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of July 1, 1974, November 1, 1974, and December 1, 1974, respectively.

The twenty-third revision adds 653.76 acres described on page one of the application which enlarges the Dakota participating area to 18,433.23 acres. Such revision is based on the information obtained by the completion of unit well No. 218 located in the SW $\frac{1}{4}$ of sec. 12, T. 28 N., R. 7 W. Well No. 218 was completed July 9, 1974, for a calculated absolute open flow potential of 4,195 MCF of gas per day from the Dakota interval 7,700 to 7,876 feet.

The twenty-fourth revision adds 2,551.56 acres described on page two of the application which expands the Dakota participating area to 20,984.79 acres. Such revision is based on the information contributed by the three wells in the following tabulation:

Well No.	Location R. 7 W.	Completion		CAOF MCFPD
		Date	Interval	
228	SW $\frac{1}{4}$ sec. 8, T. 27 N.	11-24-74	7,595-7,796	4,375
229	SE $\frac{1}{4}$ sec. 32, T. 28 N.	11-27-74	7,478-7,672	2,012
238	SW $\frac{1}{4}$ sec. 29, T. 28 N.	11-26-74	6,960-7,170	2,954

The twenty-fifth revision adds 2,560.00 acres described on page four of the application further expanding the Dakota participating area to 23,544.79

acres. This revision is based on the information obtained from the completion of the two wells in the following tabulation:

Well No.	Location	Completion		MCFPD
		Date	Interval	
231	T. 28 N., R. 7 W. NW $\frac{1}{4}$ sec. 16	12-6-74	7,212-7,370	879
232	NE $\frac{1}{4}$ sec. 20	12-9-74	7,048-7,248	1,964

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

Sincerely yours,

G. R. DANIELS
Acting Area Oil and Gas Supervisor

cc:

BLM, Santa Fe, (w/cy appln)

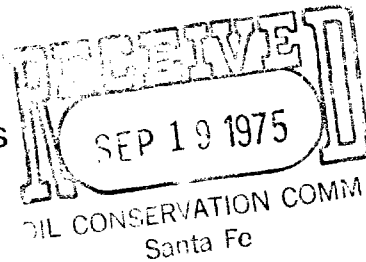
✓ NMOCC, Santa Fe (ltr only)

Com. Pub. Lands, Santa Fe (ltr only)

Durango (w/cy appln)

JAGillham/hr/ds

El Paso NATURAL GAS
COMPANY



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

September 16, 1975

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
CORRECTED TWENTY-SIXTH EXPANDED
PARTICIPATING AREA, Pictured Cliffs
Formation, Effective June 1, 1974

Gentlemen:

By letter dated December 23, 1974, El Paso Natural Gas Company filed the Twenty-Sixth Expansion for the Pictured Cliffs Participating Area for the San Juan 28-7 Unit. It has been discovered that an intervening drilling block, as defined in Section 11(a) of the Unit Agreement that should have been included was left out of the expansion. Now, El Paso is filing this corrected application for the Twenty-Sixth Expansion of the San Juan 28-7 Pictured Cliffs Participating Area. Pursuant to Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that two (2) wells capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation have been completed upon acreage committed to this Unit. The Participating Area for the Pictured Cliffs Formation is expanded accordingly to include these wells as follows:

The San Juan 28-7 Unit #178 Well, located 940' from the South line and 800' from the East line of Section 31, Township 28 North, Range 7 West, N.M.P.M., was spudded on December 20, 1973, and completed on January 30, 1974 at a total depth of 2917'. The Pictured Cliffs Formation in the intervals between 2708'-2722' and 2732'-2740' was treated with a sand-water fracturing process on April 15, 1974. The well was shut-in on April 19, 1974, and after being shut-in for forty-one (41) days the Pictured Cliffs Formation was tested on May 30, 1974, and after a three-hour blow-down period the well gauged 1461 MCF/D through a 3/4" choke and 1488 MCF/D by the calculated absolute open-flow method, with an SIPC of 1026 psia. The drilling block for this well is described as the SE/4 of Section 31, Township 28 North, Range 7 West, containing 155.00 acres.

The San Juan 28-7 Unit #179 Well, located 1075' from the South line and 1135' from the East line of Section 7, Township 28 North, Range 7 West, N.M.P.M., was spudded on January 5, 1974, and completed on January 12, 1974, at a total depth of 3532'. The Pictured Cliffs Formation in the intervals between 3413'-3434' was treated with a sand-water fracturing process on April 8, 1974. The well was shut-in on April 16, 1974, and after being shut-in for twenty-seven (27) days the Pictured Cliffs Formation was tested on May 13, 1974, and after a three-hour blow-down period the well gauged 2807 MCF/D through a 3/4" choke and 3003 MCF/D by the calculated absolute open-flow method, with an SIPC of 1064 psia. The drilling block for this well is described as the S/2 of Section 7, Township 28 North, Range 7 West, containing 299.12 acres.

In addition to the above, the completion of well #179 creates one (1) intervening drilling block described as the E/2 of Section 18, T-28-N, R-7-W, which pursuant to the terms of the Unit Agreement must also be admitted to the Participating Area.

Attached is Schedule XXVII showing the Corrected Twenty-Sixth Expanded Participating Area for the Pictured Cliffs Formation of the San Juan 28-7 Unit Area. This describes the Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Corrected Twenty-Sixth Expanded Participating Area will become effective as of June 1, 1974.

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Three

In regard to the intervening drilling block which was heretofore not included in the Participating Area, El Paso did not commence the drilling of a well on said intervening drilling block prior to June 1, 1975 (one year from date of Expansion) as provided for in the Unit Agreement and hereby requests an extension to June 1, 1976 to commence said well. Your affirmative reply to this request will be appreciated.

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

Yours very truly,



James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Attachments
San Juan 28-7 Unit, 4.1

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

SCHEDULE XXVII
CORRECTED TWENTY-SIXTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATI
			OWNERSHIP	PERCENTAGE		
4 03521	<u>T-27-N, R-7-W</u>	<u>280.00</u>	<u>Tract 1</u>			<u>1.690890%</u>
	<u>Sec. 20: S/2 NW/4,</u>				12.500%	
	<u>NE/4 NW/4</u>				64.625%	
					22.875%	
					<u>100.000%</u>	
4 03560	<u>T-27-N, R-7-W</u>	<u>1281.44</u>	<u>Tract 2</u>			<u>7.738482%</u>
	<u>Sec. 29: A11</u>				12.500%	
	<u>Sec. 30: A11</u>				63.125%	
					24.375%	
					<u>100.000%</u>	
F 078417	<u>T-28-N, R-7-W</u>	<u>440.00</u>	<u>Tract 3</u>			<u>2.657114%</u>
	<u>Sec. 7: S/2 SE/4,</u>				12.500%	
	<u>SE/4 SW/4</u>				84.500%	
	<u>Sec. 18: E/2</u>				3.000%	
					<u>100.000%</u>	
F 078417-A	<u>T-28-N, R-7-W</u>	<u>240.00</u>	<u>Tract 4</u>			<u>1.449335%</u>
	<u>Sec. 22: S/2 NW/4,</u>				12.500%	
	<u>SW/4</u>				83.500%	
					4.000%	
					<u>100.000%</u>	

Revised effective June 1, 1974

SCHEDULE XXVII

WELL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
78496	T-27-N, R-7-W Sec. 3: N/2 Sec. 5: Lots 1,2, S/2 NE/4 T-28-N, R-7-W Sec. 27: SE/4, E/2 NE/4 Sec. 34: Lots 3,4, N/2 SW/4, NW/4 Sec. 35: Lots 3,4, N/2 SW/4, NW/4	1362.24	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 84.500% 3.000% 100.000%	12.500% 84.500% 3.000% 100.000%	8.226424%
			TOTAL			
78496-A	T-27-N, R-7-W Sec. 4: N/2 T-28-N, R-7-W Sec. 34: Lots 1,2, N/2 SE/4, NE/4	641.83	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 83.500% 4.000% 100.000%	12.500% 83.500% 4.000% 100.000%	3.875944%
			TOTAL			
778497	T-28-N, R-7-W Sec. 7: Lot 1, 2,3,4,5 Sec. 19: E/2	499.21	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 84.500% 3.000% 100.000%	12.500% 84.500% 3.000% 100.000%	3.014677%
			TOTAL			

ended effective June 1, 1974

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
078498	T-28-N, R-7-W Sec. 27: W/2 NE/4, W/2 Sec. 33: Lots 1,2, N/2 SE/4, NE/4	716.32	<u>Tract 9</u>			<u>4.325781%</u>
			Royalty;	12.500%	12.500%	
			Working Interest:			
			El Paso Natural Gas Co.;	84.500%	84.500%	
			ORRI;	3.000%	3.000%	
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	
078498-A	T-28-N, R-7-W Sec. 28: SE/4, NE/4 NE/4	200.00	<u>Tract 9-A</u>			<u>1.207779%</u>
			Royalty;	12.500%	12.500%	
			Working Interest:			
			El Paso Natural Gas Co.;	84.500%	84.500%	
			ORRI;	3.000%	3.000%	
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	
078500-A	T-28-N, R-7-W Sec. 31: Lots 1,2,3,4, 5,6,7, N/2SE/4, E/2NW/4, NE/4 SW/4	456.23	<u>Tract 10</u>			<u>2.755125%</u>
			Royalty;	12.500%	12.500%	
			Working Interest:			
			El Paso Natural Gas Co.;	84.500%	84.500%	
			ORRI;	3.000%	3.000%	
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	
078565	T-27-N, R-7-W Sec. 5: SE/4 Sec. 8: NW/4	320.00	<u>Tract 11</u>			<u>1.932446%</u>
			Royalty;	12.500%	12.500%	
			Working Interest:			
			El Paso Natural Gas Co.;	69.000%	69.000%	
			ORRI;	18.500%	18.500%	
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	

vised effective June 1, 1974

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
078565-A	<u>T-27-N, R-7-W</u> Sec. 5: Lots 3,4, S/2 NW/4, SW/4	320.52	<u>Tract 12</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 86.500% 1.000% <u>100.000%</u>	12.500% 86.500% 1.000% <u>100.000%</u>	<u>1.935587%</u>
078569	<u>T-27-N, R-7-W</u> Sec. 8: SW/4, NE/4	320.00	<u>Tract 13</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 82.500% 5.000% <u>100.000%</u>	12.500% 82.500% 5.000% <u>100.000%</u>	<u>1.932446%</u>
078570	<u>T-27-N, R-7-W</u> Sec. 4: S/2 Sec. 8: SE/4 Sec. 9: NW/4	640.00	<u>Tract 14</u> Royalty; Working Interest: Tenneco Oil Company ORRI;	12.500% 80.500% 7.000% <u>100.000%</u>	12.500% 80.500% 7.000% <u>100.000%</u>	<u>3.864893%</u>
078640	<u>T-27-N, R-7-W</u> Sec. 9: SW/4 Sec. 15: W/2 Sec. 17: E/2	800.00	<u>Tract 15</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 82.500% 5.000% <u>100.000%</u>	12.500% 82.500% 5.000% <u>100.000%</u>	<u>4.831116%</u>

Revised effective June 1, 1974

SCHEDULE XXVII

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
078640	T-27-N, R-7-W Sec. 20: E/2 Sec. 21: A11 Sec. 22: W/2 Sec. 27: NW/4 Sec. 28: N/2	1760.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 82.500% 5.000% <u>100.000%</u>	12.500% 82.500% 5.000% <u>100.000%</u>	<u>10.628456%</u>
			<u>Tract 15-A</u>			
078835	T-27-N, R-7-W Sec. 6: Lots 3,4,5, 6,7, SE/4 NW/4, E/2 SW/4 Sec. 7: E/2	640.20	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 84.000% 3.500% <u>100.000%</u>	12.500% 84.000% 3.500% <u>100.000%</u>	<u>3.866101%</u>
			<u>Tract 16</u>			
078835-A	T-27-N, R-7-W Sec. 6: Lots 1,2, S/2 NE/4, SE/4 Sec. 7: Lots 1,2, 3,4, E/2 W/2	640.86	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 67.000% 20.500% <u>100.000%</u>	12.500% 67.000% 20.500% <u>100.000%</u>	<u>3.870086%</u>
			<u>Tract 17</u>			
078840	T-27-N, R-7-W Sec. 18: Lots 1,2, 3,4, E/2 W/2	320.36	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 67.000% 20.500% <u>100.000%</u>	12.500% 67.000% 20.500% <u>100.000%</u>	<u>1.934621%</u>
			<u>Tract 18</u>			
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	

Revised effective June 1, 1974

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
078840	T-27-N, R-7-W Sec. 19: Lots 1,2, 3,4, E/2 W/2, E/2 (ALL)	641.15	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 67.000% 20.500% <u>100.000%</u>	12.500% 67.000% 20.500% <u>100.000%</u>	<u>3.871838%</u>
			<u>Tract 18-A</u>			
078972	T-27-N, R-7-W Sec. 3: S/2 Sec. 10: A11 Sec. 11: A11	1600.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 70.000% 17.500% <u>100.000%</u>	12.500% 70.000% 17.500% <u>100.000%</u>	<u>9.662233%</u>
			<u>Tract 19</u>			
078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 76.875% 10.625% <u>100.000%</u>	12.500% 76.875% 10.625% <u>100.000%</u>	<u>1.932447%</u>
			<u>Tract 20</u>			
079289	T-28-N, R-7-W Sec. 22: N/2 NW/4	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 69.000% 18.500% <u>100.000%</u>	12.500% 69.000% 18.500% <u>100.000%</u>	<u>.483112%</u>
			<u>Tract 21</u>			
			TOTAL			

Revised effective June 1, 1974

SCHEDULE XXVII

WELL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
079289-A	T-28-N, R-7-W Sec. 15: W/2 Sec. 22: E/2	640.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 75.000% 12.500% 100.000%	12.500% 75.000% 12.500% 100.000%	<u>3.864893%</u>
			<u>Tract 22</u>			
079298-B	T-27-N, R-7-W Sec. 12: W/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co. ORRI;	12.500% 81.500% 6.000% 100.000%	12.500% 81.500% 6.000% 100.000%	<u>1.932447%</u>
			<u>Tract 26</u>			
90-28	T-27-N, R-7-W Sec. 2: Lots 3,4, SW/4	238.96	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 82.500% 5.000% 100.000%	12.500% 82.500% 5.000% 100.000%	<u>1.443054%</u>
			<u>Tract 28</u>			
90-33	T-27-N, R-7-W Sec. 2: S/2 NW/4	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 75.000% 12.500% 100.000%	12.500% 75.000% 12.500% 100.000%	<u>.483112%</u>
			<u>Tract 31</u>			
			TOTAL			

Revised effective June 1, 1974

SCHEDULE XXVII

WELL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
25-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	<u>Tract 32</u>			<u>.241556%</u>
	Royalty;			12.500%	12.500%	
	Working Interest:			83.500%	83.500%	
	El Paso Natural Gas Co.;			4.000%	4.000%	
	ORRI;			<u>100.000%</u>	<u>100.000%</u>	
	TOTAL					
			<u>Tract 33</u>			<u>.241556%</u>
25-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	<u>Tract 33</u>			<u>.241556%</u>
	Royalty;			12.500%	12.500%	
	Working Interest:			82.500%	82.500%	
	El Paso Natural Gas Co.;			5.000%	5.000%	
	ORRI;			<u>100.000%</u>	<u>100.000%</u>	
	TOTAL					
			<u>Tract 34</u>			<u>.241556%</u>
25-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	<u>Tract 34</u>			<u>.241556%</u>
	Royalty;			12.500%	12.500%	
	Working Interest:			72.000%	72.000%	
	El Paso Natural Gas Co.;			15.500%	15.500%	
	ORRI;			<u>100.000%</u>	<u>100.000%</u>	
	TOTAL					
			<u>Tract 35</u>			<u>3.140226%</u>
325-6	T-27-N, R-7-W Sec. 16: SE/4 NW/4, SW/4, E/2	520.00	<u>Tract 35</u>			<u>3.140226%</u>
	Royalty;			12.500%	12.500%	
	Working Interest:			70.000%	70.000%	
	El Paso Natural Gas Co.;			17.500%	17.500%	
	ORRI;			<u>100.000%</u>	<u>100.000%</u>	
	TOTAL					

ended effective June 1, 1974

SCHEDULE XXVII

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 36</u>						
	<u>T-28-N, R-7-W</u>	<u>120.00</u>				
	Sec. 28: <u>W/2 NE/4,</u>		Royalty;	12.500%	12.500%	<u>.724667%</u>
	<u>SE/4 NE/4</u>		Working Interest:	87.500%	87.500%	
			El Paso Natural Gas Co.;	.000%	.000%	
			ORRI;			
			TOTAL	<u>100.000%</u>	<u>100.000%</u>	

SCHEDULE XXVII

RECAPITULATION

Description of Lands in Participating Area:

Township 28 North, Range 7 West, N.M.P.M.
Section 7: Lots 1,2,3,4,5, SE/4 SW/4, S/2 SE/4
 Sections 15, 35: W/2
 Sections 18, 19, 28, 33: E/2
 Sections 22, 27, 34: A11
 Sections 31: Lots 1,2,3,4,5,6,7,E/2 NW/4, NE/4 SW/4, N/2 SE/4
 Township 27 North, Range 7 West, N.M.P.M.
Sections 17,20: E/2
 Sections 2,15,18,22,12: W/2
 Sections 3,4,5,6,7,8,9,10,11,16,19,21,29,30: A11
 Section 20: SW/4, S/2 NW/4, NE/4 NW/4
 Section 28: N/2
 Section 27: NW/4

Total Number of acres in Participating Area:	16,559.32
Total Number of acres committed to Participating Area:	16,559.32
Percent of Basic Royalty Committed:	100.00%
Percent of Working Interest Committed:	100.00%
Percent of ORRI Committed:	100.00%

El Paso NATURAL GAS
COMPANY

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

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit, #14-08-001-459,
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that four (4) additional wells capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 28-7 Unit #197 well, located 790' from the South line and 790' from the East line of Section 11, Township 27 North, Range 7 West, N.M.P.M., was spudded on March 3, 1975, and completed on August 6, 1975, in the Pictured Cliffs Formation at a total depth of 3286'. The Pictured Cliffs Formation at the intervals 3134, 3135', 3145', 3146', 3157', and 3158' was treated with a sand-water fracturing process on July 18, 1975. The well was shut-in on July 22, 1975, and after being shut-in for fifteen (15) days the well was tested on August 6, 1975, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1206 MCF/D through a 3/4" choke and 1220 MCF/D by the calculated absolute open-flow method, with an SIPC of 1073 psia. The spacing unit for this well is described as the E/2 of Section 11, Township 27 North, Range 7 West, containing 320.00 acres.

The spacing unit for this well was included in the San Juan 28-7 Unit, Twelfth Expanded Pictured Cliffs Participating Area effective November 1, 1957 and the completion of this well does not warrant any further expansion of the Pictured Cliffs Participating Area.

The San Juan 28-7 Unit #201 well, located 1190' from the South line and 1190' from the East line of Section 7, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 31, 1974, and completed on August 6, 1975, in the Pictured Cliffs Formation at a total depth of 3204'. The Pictured Cliffs Formation at the intervals 3095', 3096', 3113', 3114', 3153', 3154', and 3155' was treated with a sand-water fracturing process on July 9, 1975. The well was shut-in on July 22, 1975, and after being shut-in for fifteen (15) days the well was tested on August 6, 1975, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 893 MCF/D through a 3/4" choke and 901 MCF/D by the calculated absolute open-flow method, with an SIPC of 939 psia. The spacing unit for this well is described as the E/2 of Section 7, Township 27 North, Range 7 West, containing 320.00 acres.

The spacing unit for this well was included in the San Juan 28-7 Unit, Second Expanded Pictured Cliffs Participating Area effective October 1, 1953 and the completion of this well does not warrant any further expansion of the Pictured Cliffs Participating Area.

The San Juan 28-7 Unit #202 well, located 1675' from the South line and 1080' from the East line of Section 8, Township 27 North, Range 7 West, N.M.P.M., was spudded on December 18, 1974, and completed on August 6, 1975, in the Pictured Cliffs Formation at a total depth of 3475'. The Pictured Cliffs Formation at the intervals 3362', 3364', 3378', 3380', 3382', and 3384' was treated with a sand-water fracturing process on July 1, 1975. The well was shut-in on July 22, 1975 and after being shut-in for fifteen (15) days the well was tested on August 6, 1975, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1045 MCF/D through a 3/4" choke and 1066 MCF/D by the calculated absolute open-flow method, with an SIPC of 736 psia. The spacing unit for this well is described as the E/2 of Section 8, Township 27 North, Range 7 West, containing 320.00 acres.

The spacing unit for this well was included in the San Juan 28-7 Unit, Fourteenth Expanded Pictured Cliffs Participating Area effective February 1, 1958 and the completion of this well does not warrant any further expansion of the Pictured Cliffs Participating Area.

The San Juan 28-7 Unit #207 well, located 1550' from the South line and 975' from the West line of Section 21, Township 27 North, Range 7 West, N.M.P.M., was spudded on January 11, 1975, and completed on August 6, 1975, in the Pictured Cliffs Formation at a total depth of 3067'. The Pictured Cliffs Formation at the intervals 2916', 2917', 2918', 2952', 2953', and 2954' was treated with a sand-water fracturing process on July 9, 1975. The well was shut-in on July 22, 1975, and after being shut-in for fifteen (15) days the well was tested on August 6, 1975, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1154 MCF/D through a 3/4" choke and 1174 MCF/D by the calculated absolute open-flow method, with an SIPC of 872 psia. The spacing unit for this well is described as the W/2 of Section 21, Township 27 North, Range 7 West, containing 320.00 acres.

The spacing unit for this well was included in the San Juan 28-7 Unit, Eleventh Expanded Pictured Cliffs Participating Area effective October 1, 1957 and the completion of this well does not warrant any further expansion of the Pictured Cliffs Participating Area.

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

Yours very truly,



James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Attachment
SJ 28-7, 4.1.1

cc: Mr. Antonio Martinez

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

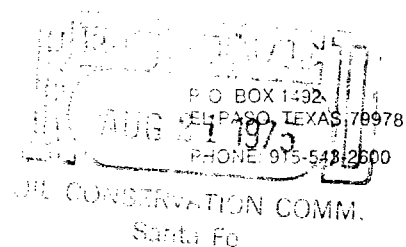
Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

El Paso NATURAL GAS
COMPANY



August 19, 1975

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 28-7 Unit
Rio Arriba County, New Mexico
Revised 1975 Drilling Program

Gentlemen:

The 1975 Revised Drilling Program for the referenced unit was approved by the regulatory bodies on the following dates:

United States Geological Survey	August 14, 1975
Commissioner of Public Lands	May 5, 1975
Oil Conservation Commission	May 7, 1975

Copies of this letter are being sent to the working interest owners of the referenced unit.

Yours very truly,

Don Wadsworth
Landman
Land Department
Energy Resource Development

DW:nm
SJ 28-7, Unit 3.0



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

August 14, 1975

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

445

Gentlemen:

One approved copy of your revised 1975 plan of development for the San Juan 28-7 unit area, Rio Arriba County, New Mexico, is enclosed. Such plan, proposing the drilling of one Pictured Cliffs well, three Pictured Cliffs-Chacra wells, seven Chacra wells and eight Dakota wells with the deletion of 16 wells previously approved was approved on this date subject to like approval by the appropriate official of the State of New Mexico.

Sincerely yours,

[ORIG. SCD.] N. O. FREDERICK

N. O. FREDERICK
Area Oil and Gas Supervisor

cc:
Durango (w/cy plan)
NMOCC, Santa Fe (Ltr only) ✓
Com.Pub. Lands, Santa Fe (Ltr only)

JAGillham/hr

445

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2088 - SANTA FE

87501

August 8, 1975

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: Mr. James R. Permenter

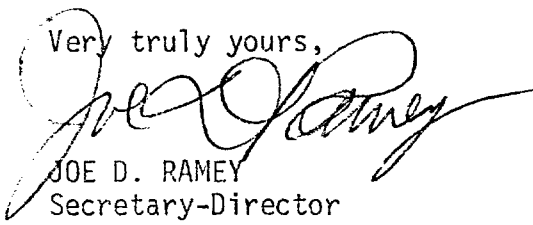
Re: Twenty-third, Twenty-fourth, and
Twenty-fifth, Expanded Participating
Areas, San Juan 28-7 Unit, Rio
Arriba County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Twenty-third, Twenty-fourth, and Twenty-fifth Expanded Participating Areas, Dakota Formation for the San Juan 28-7 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Five approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico, and two approved copies are returned to the Commissioner of Public Lands, Santa Fe, New Mexico.

Very truly yours,



JOE D. RAMEY

Secretary-Director

JDR/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

Commissioner of Public Lands
Land Office Building
Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

July 25, 1975

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-7 Unit #14-08-001-459
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Dakota Formation

Gentlemen:

Pursuant to Section 11 of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the test dates indicated that one (1) additional well capable of producing unitized substances in paying quantities from the Dakota Formation, has been completed upon acreage committed to this Unit.

This well is as follows:

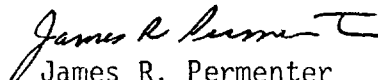
The San Juan 28-7 Unit #230 well, located 800' from the North Line and 1450' from the East Line of Section 29, Township 28 North, Range 7 West, N.M.P.M., was spudded on September 27, 1974, and completed on December 4, 1974, in the Dakota Formation at a total depth of 7245'. The Dakota Formation in the intervals of 7009', 7016', 7126', 7154', 7170', and 7184' was treated with a sand-water fracturing process on November 6, 1974. The well was shut-in on November 8, 1974, and after being shut-in for seven (7) days the well was tested on December 4, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 2490 MCF/D through a 3/4" choke and 2554 MCF/D by the calculated absolute open-flow method, with an SIPC of 2547 psia and an SIPT of 2547 psia. The spacing unit for this well is described as the E/2 of Section 29, Township 28 North, Range 7 West, containing 320.00 acres.

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
July 25, 1975
Page Two

The spacing unit for this well was included in the San Juan 28-7 Unit, Twenty-fourth Expanded Dakota Participating Area effective November 1, 1974, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

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

Yours very truly,


James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Attachment
San Juan 28-7 Unit, 4.3.1

cc: Mr. Antonio Martinez, Executive Director
New Mexico Oil & Gas Accounting Commission

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

445

El Paso Natural Gas Company

El Paso, Texas 79975

July 25, 1975

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

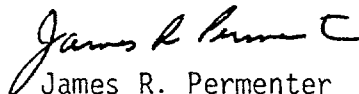
Re: San Juan 28-7 Unit #14-08-001-459
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
TWENTY-THIRD, TWENTY-FOURTH AND
TWENTY-FIFTH EXPANDED PARTICIPATING
AREAS, Dakota Formation, Effective
July 1, 1974, November 1, 1974, and
December 1, 1974, respectively

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Twenty-third, Twenty-fourth, and Twenty-fifth Expanded Participating Areas of the Dakota Formation for the referenced unit.

If this Application meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for its approval and execution. After this Application has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file and the Oil Conservation Commission should retain one (1) copy for its file, and five (5) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico, for its approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,



James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP:DW:nm
Enclosures

cc: Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

El Paso Natural Gas Company

El Paso, Texas 79978 JUL 30 9 47 AM '75

July 25, 1975

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 28-7 Unit #14-08-001-459,
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
TWENTY-THIRD, TWENTY-FOURTH AND
TWENTY-FIFTH EXPANDED PARTICIPATING
AREAS, DAKOTA FORMATION Effective
July 1, 1974, November 1, 1974, and
December 1, 1974, respectively

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-7 Unit Agreement, #14-08-001-459, approved January 29, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Twenty-Third, Twenty-Fourth, and Twenty-Fifth Expanded Participating Areas for the Dakota Formation, to wit:

TWENTY-THIRD EXPANDED PARTICIPATING AREA -
Effective July 1, 1974

Description of Lands

Acres

Township 28 North, Range 7 West, N.M.P.M.

Section 10: Lot 1, SE/4 SE/4

73.78

Section 11: Lots 2, 3, 4, S/2 S/2

259.98

Section 14: N/2

320.00

653.76

This land is proven to be productive by the following well, which was previously reported as being completed as an additional well, and not causing an expansion. After a review of the well, it was determined capable of draining non-participating acreage and causing an expansion.

The San Juan 28-7 Unit #218 well, located 1175' from the South line and 1540' from the West line of Section 12, Township 28 North, Range 7 West, N.M.P.M., was spudded on June 6, 1974, and completed on July 9, 1974, in the Dakota Formation at a total depth of 7919'. The Dakota Formation at the intervals 7700', 7734', 7766', 7792', 7803', 7840', 7865', and 7876' was treated with a sand-water fracturing process on June 22, 1974. The well was shut-in on June 24, 1974, and after being shut-in for fifteen (15) days the well was tested on July 9, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 4066 MCF/D through a 3/4" choke and 4195 MCF/D by the calculated absolute open-flow method, with an SIPC of 2641 psia and an SIPT of 2638 psia. The spacing unit for this well is described as Lots 1, 2, 3, 4, S/2 S/2 Section 12 and Lot 1 Section 11, Township 28 North, Range 7 West, containing 321.22 acres.

TWENTY-FOURTH EXPANDED PARTICIPATING AREA -
Effective November 1, 1974

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 27 North, Range 7 West, N.M.P.M.</u>	
Section 5: Lots 3,4, S/2 NW/4, SW/4 (W/2)	320.52
Section 7: E/2	320.00
Section 18: E/2	320.00
<u>Township 28 North, Range 7 West, N.M.P.M.</u>	
Section 29: A11	640.00
Section 30: E/2	320.00
Section 32: Lots 1,2,3,4, N/2 S/2, N/2 (A11)	631.04
	<u>2,551.56</u>

This land is proven productive by the following:

The San Juan 28-7 Unit #228 well, located 2090' from the South line and 1830' from the West line of Section 8, Township 27 North, Range 7 West, N.M.P.M., was spudded on September 3, 1974, and completed on November 21, 1974, in the Dakota Formation at a total depth of 7838'. The Dakota Formation at the intervals 7595', 7596', 7672', 7712', 7740', 7762' and 7796' was treated with a sand-water fracturing process on November 1, 1974.

The well was shut-in on November 2, 1974, and after being shut-in for nineteen (19) days the well was tested on November 21, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 4162 MCF/D through a 3/4" choke and 4375 MCF/D by the calculated absolute open-flow method, with an SIPC of 2342 psia and an SIPT of 2227 psia. The spacing unit for this well is described as the W/2 of Section 8, Township 27 North, Range 7 West, containing 320.00 acres.

The San Juan 28-7 #229 well, located 800' from the South line and 1850' from the East line of Section 32, Township 28 North, Range 7 West, N.M.P.M., was spudded on September 17, 1974, and completed on November 27, 1974, in the Dakota Formation at a total depth of 7728'. The Dakota Formation at the intervals 7478', 7480', 7560', 7592', 7620', 7640' and 7672' was treated with a sand-water fracturing process on October 26, 1974. The well was shut-in on October 28, 1974, and after being shut-in for thirty (30) days the well was tested on November 27, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 1959 MCF/D through a 3/4" choke and 2012 MCF/D by the calculated absolute open-flow method, with an SIPC of 2452 psia and an SIPT of 2452 psia. The spacing unit for this well is described as Lots 1, 2, N/2 SE/4, NE/4 of Section 32, Township 28 North, Range 7 West, containing 315.68 acres.

The San Juan 28-7 #238 well, located 1000' from the South line and 1600' from the West line of Section 29, Township 28 North, Range 7 West, N.M.P.M., was spudded on October 5, 1974, and completed on November 26, 1974, in the Dakota Formation at a total depth of 7232'. The Dakota Formation at the intervals 6960', 6976', 7088', 7092', 7117', 7126', 7156' and 7170' was treated with a sand-water fracturing process on October 22, 1974. The well was shut-in on October 25, 1974, and after being shut-in for thirty-two (32) days the well was tested on November 26, 1974 and following a three (3) hour blow-down period, the Dakota Formation gauged 2848 MCF/D through a 3/4" choke and 2954 MCF/D by the calculated absolute open-flow method, with an SIPC of 2482 psia and an SIPT of 2332 psia. The spacing unit for this well is described as the W/2 of Section 29, Township 28 North, Range 7 West, containing 320.00 acres.

TWENTY-FIFTH EXPANDED PARTICIPATING AREA -
Effective December 1, 1974

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 7 West, N.M.P.M.</u>	
Section 15: A11	640.00
Section 16: A11	640.00
Section 17: E/2	320.00
Section 20: A11	640.00
Section 21: W/2	320.00
	<u>2,560.00</u>

This land is proven productive by the following:

The San Juan 28-7 Unit #231 well, located 1495' from the North line and 875' from the West line of Section 16, Township 28 North, Range 7 West, N.M.P.M., was spudded on October 15, 1974, and completed on December 6, 1974, in the Dakota Formation at a total depth of 7421'. The Dakota Formation at the intervals 7212', 7230', 7240', 7338', 7362' and 7370' was treated with a sand-water fracturing process on November 10, 1974. The well was shut-in on November 13, 1974, and after being shut-in for twenty-three (23) days the well was tested on December 6, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 869 MCF/D through a 3/4" choke and 879 MCF/D by the calculated absolute open-flow method, with an SIPC of 2697 psia and an SIPT of 2127 psia. The spacing unit for this well is described as the W/2 of Section 16, Township 28 North, Range 7 West, containing 320.00 acres.

The San Juan 28-7 Unit #232 well, located 1765' from the North line and 1490' from the East line of Section 20, Township 28 North, Range 7 West, N.M.P.M., was spudded on October 24, 1974, and completed on December 9, 1974, in the Dakota Formation at a total depth of 7276'. The Dakota Formation at the intervals 7048', 7063', 7078', 7181', 7214', 7238' and 7248' was treated with a sand-water fracturing process on November 15, 1974. The well was shut-in on November 17, 1974, and after being shut-in for twenty-two (22) days the well was tested on December 9, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 1911 MCF/D through a 3/4" choke and 1964 MCF/D by the calculated absolute open-flow method, with an SIPC of 2592 psia and an SIPT of 2509 psia. The spacing unit for this well is described as the E/2 of Section 20, Township 28 North, Range 7 West, containing 320.00 acres.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the Unit and the proposed Twenty-Third, Twenty-Fourth, and Twenty-Fifth Expanded Participating Areas of the Dakota Formation within the San Juan 28-7 Unit.

EXHIBIT "B"

Geological Report on the Twenty-Third, Twenty-Fourth, and Twenty-Fifth Expanded Participating Areas of the Dakota Formation within the San Juan 28-7 Unit.

EXHIBIT "C"

Figure No. 1: San Juan 28-7 Unit Subsurface Structure Contour Map

Figure No. 2: San Juan 28-7 Unit Isopachous Map

EXHIBIT "D"

Schedule of Dakota Gas Production

Attached hereto are Schedules XXIV, XXV, and XXVI showing the proposed Twenty-Third, Twenty-Fourth, and Twenty-Fifth Expanded Participating Areas for the Dakota Formation in the San Juan 28-7 Unit Area. These schedules describe the Expanded Participating Areas, show the percentages of unitized substances allocated to each unitized tract and the percentages of ownership in each tract.

If these Revised Twenty-Third, Twenty-Fourth, and Twenty-Fifth Expanded Participating Areas of the Dakota Formation meet with your approval, please indicate such approval in the space provided and return an approved copy thereof for our files.

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

Yours very truly,



James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:DW:nm
Enclosures
SJ 28-7 Unit 4.3

cc: Mr. Antonio Martinez, Executive Director
New Mexico Oil & Gas Accounting Commission

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

APPROVED: Phil R Sueno _____ DATE: August 6, 1975 -
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey and
the Oil Conservation Commission

APPROVED: [Signature] _____ DATE: August 8, 1975 -
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
the Commissioner of Public Lands

The foregoing approval is for the San Juan 28-7 Unit #14-08-001-459,
Twenty-Third, Twenty-Fourth, and Twenty-Fifth Expanded Participating Areas
for the Dakota Formation, Rio Arriba County, New Mexico.

SAN JUAN 28-7 UNIT
Working Interest Owners

Amoco Production Company

Burton-Hawks, Inc.

Continental Oil Company

Mrs. Dudley Emerson Hotchkiss
Executrix of the Estate of
A. Harvey Arant, Deceased

Koch Industries, Inc.

Dixie M. McLane Trust

Mesa Petroleum Co.

Waymon G. Peavy

Reserve Oil & Gas Company

Mr. W. H. Riddle

Mrs. Thelma Ford Simmons
Independent Executrix of the
Estate of D. J. Simmons, Deceased

Tenneco Oil Company

Mr. J. Glenn Turner

Union Oil Company of California

The Wiser Oil Company

SCHEDULE XXIV
TWENTY- THIRD EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP.
			OWNERSHIP	PERCENTAGE		
TRACT 1						
NM 03521	T-27-N, R-7-W	640.00	Royalty;	12.5000%	12.5000%	3.471991%
	Sec. 17: W/2		Working Interest:			
	Sec. 20: W/2		Tenneco Oil Co.;	32.3125%	32.3125%	
			Continental Oil Co.;	32.3125%	32.3125%	
	ORRI;		22.8750%	22.8750%		
	TOTAL		100.0000%	100.0000%		
TRACT 2						
NM 03560	T-27-N, R-7-W	320.00	Royalty;	12.500%	12.500%	1.735995%
	Sec. 29: N/2		Working Interest:			
			EI Paso Natural Gas Co.;	63.125%	63.125%	
			ORRI;	24.375%	24.375%	
	TOTAL		100.000%	100.000%		
TRACT 3						
SF 078417	T-28-N, R-7-W	280.00	Royalty;	12.50%	12.50%	1.518996%
	Sec. 21: NE/4, N/2		Working Interest:			
	SE/4, SE/4		Tenneco Oil Co.;	42.00%	42.00%	
	SE/4		Continental Oil Co.;	42.00%	42.00%	
	ORRI;		3.50%	3.50%		
	TOTAL		100.00%	100.00%		
TRACT 4						
SF 078417-A	T-28-N, R-7-W	240.00	Royalty;	12.500000%	12.500000%	1.301996%
	Sec. 22: S/2 NW/4, SW/4		Working Interest:			
			EI Paso Natural Gas Co.;	73.171875%	73.171875%	
			Continental Oil Co.;	10.453125%	10.453125%	
	ORRI;		3.875000%	3.875000%		
	TOTAL		100.000000%	100.000000%		

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SCHEDULE XXIV

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

TRACT 9

SF 078498	T-28-N, R-7-W	1352.32				
	Sec. 27: W/2,			12.50%	12.50%	<u>7.336316%</u>
	W/2 NE/4					
	Sec. 28: W/2		Working Interest:	42.25%	42.25%	
	Sec. 33: Lots 1,2,3,4,		Tenneco Oil Co.;	42.25%	42.25%	
	N/2 S/2, N/2		Continental Oil Co.;	3.00%	3.00%	
	(A11)		ORRI;			
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

TRACT 9-A

SF 078498-A	T-28-N, R-7-W	200.00				
	Sec. 28: SE/4,			12.500000%	12.500000%	<u>1.084997%</u>
	NE/4 NE/4					
			Royalty;			
			Working Interest:	73.171875%	73.171875%	
			El Paso Natural Gas Co.;	10.453125%	10.453125%	
			Continental Oil Co.;	3.875000%	3.875000%	
			ORRI;			
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

TRACT 11

SF 078656	T-27-N, R-7-W	320.00				
	Sec. 5: SE/4			12.500000%	12.500000%	<u>1.735995%</u>
	Sec. 8: NW/4					
			Royalty;			
			Working Interest:	34.500000%	34.500000%	
			Tenneco Oil Co.;	34.500000%	34.500000%	
			Continental Oil Co.;	18.500000%	18.500000%	
			ORRI;			
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

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SCHEDULE XXIV

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

SF 078569 T-27-N, R-7-W 320.00
Sec. 8: SW/4, NE/4

TRACT 13						
Royalty;	12.500000%	12.500000%	1.735955%			
Working Interest:						
El Paso Natural Gas Co.;	82.500000%	82.500000%				
ORRI;	5.000000%	5.000000%				
TOTAL	100.000000%	100.000000%				

SF 078570 T-27-N, R-7-W 640.00
Sec. 4: S/2
Sec. 8: SE/4
Sec. 9: NW/4

TRACT 14						
Royalty;	12.50%	12.50%	3.471991%			
Working Interest:						
Tenneco Oil Co.;	80.50%	80.50%				
ORRI;	7.00%	7.00%				
TOTAL	100.00%	100.00%				

SF 078640 T-27-N, R-7-W 2240.00
Sec. 9: SW/4
Sec. 15: W/2
Sec. 17: E/2
Sec. 20: E/2
Sec. 21: W/2
Sec. 22: W/2
Sec. 27: NW/4
Sec. 28: N/2

TRACT 15						
Royalty;	12.50%	12.50%	12.151967%			
Working Interest:						
El Paso Natural Gas Co.;	82.50%	82.50%				
ORRI;	5.00%	5.00%				
TOTAL	100.00%	100.00%				

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SCHEDULE XXIV

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

TRACT 19

SF 078972	<u>T-27-N, R-7-W</u>	1600.00				
	<u>Sec. 3: S/2</u>		Royalty;	12.50%	12.50%	<u>8.675976%</u>
	Sec. 10: A11		Working Interest:			
	Sec. 11: A11		Mesa Petroleum Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

TRACT 20

SF 078972-A	<u>T-27-N, R-7-W</u>	320.00				
	<u>Sec. 9: E/2</u>		Royalty;	12.5000%	12.5000%	<u>1.735995%</u>
			Working Interest:			
			E1 Paso Natural Gas Co.;	39.1666%	39.1666%	
			J. Glenn Turner;	13.7500%	13.7500%	
			Dixie McLane Trust;	13.7500%	13.7500%	
			W. Peavy;	6.6667%	6.6667%	
			Margaret Hotchkiss, Guardian;	6.6667%	6.6667%	
			ORRI;	7.5000%	7.5000%	
			TOTAL	<u>100.0000%</u>	<u>100.0000%</u>	

TRACT 21

SF 079289	<u>T-28-N, R-7-W</u>	762.18				
	<u>Sec. 14: E/2</u>		Royalty;	12.50%	12.50%	<u>4.13481%</u>
	Sec. 22: N/2 NW/4		Working Interest:			
	Sec. 12: Lots 1-4,		Tenneco Oil Co.;	34.50%	34.50%	
	S/2 S/2 (A11)		Continental Oil Co.;	34.50%	34.50%	
	Sec. 10: Lot 1, SE/4 SE/4		ORRI;	18.50%	18.50%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

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SCHEDULE XXIV

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATION
			OWNERSHIP	PERCENTAGE		

TRACT 22

F 079289-A	T-28-N, R-7-W Sec. 14: W/2 Sec. 22: E/2	640.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 75.000% 12.500% <u>100.000%</u>	12.500% 75.000% 12.500% <u>100.000%</u>	<u>3.471991%</u>
	TOTAL					<u>1.588435%</u>

F 079289-A	T-28-N, R-7-W Sec. 11: Lots 1, 2, 3, 4, S/2 S/2 (A11)	292.80	Royalty; Working Interest; Koch Industries, Inc.; Reserve Oil & Gas Co.; ORRI;	12.5000% 65.6250% 9.3750% 12.5000% <u>100.0000%</u>	12.5000% 65.6250% 9.3750% 12.5000% <u>100.0000%</u>	<u>6.943981%</u>
	TOTAL					

TRACT 23

F 079290	T-28-N, R-7-W Sec. 13: E/2 Sec. 23: W/2 Sec. 24: W/2 Sec. 26: N/2	1280.00	Royalty; Working Interest; Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.50% 34.50% 34.50% 18.50% <u>100.00%</u>	12.50% 34.50% 34.50% 18.50% <u>100.00%</u>	<u>6.943981%</u>
	TOTAL					

TRACT 24

F 079290-A	T-28-N, R-7-W Sec. 23: E/2 Sec. 24: E/2	640.00	Royalty; Working Interest; Koch Industries, Inc.; Reserve Oil & Gas Co.; ORRI;	12.5000% 76.5625% 10.9375% .0000% <u>100.0000%</u>	12.5000% 76.5625% 10.9375% .0000% <u>100.0000%</u>	<u>3.471991%</u>
	TOTAL					

SCHEDULE XXIV

AL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
079294	T-28-N, R-7-W	320.00	Tract 24 (Continued)			
	Sec. 13: W/2		Royalty;	12.5000%	12.5000%	<u>1.735995%</u>
			Working Interest:			
			El Paso Natural Gas Co.;	74.0000%	74.0000%	
			ORRI;	13.5000%	13.5000%	
			TOTAL	<u>100.0000%</u>	<u>100.0000%</u>	
			TRACT 25			
	T-28-N, R-7-W		Royalty;	12.50%	12.50%	
	Sec. 26: SE/4		Working Interest:			
	Sec. 36: Lots 1,2,3,4, N/2 S/2, N/2 (A11)		Mesa Petroleum Co.;	85.50%	85.50%	
079298-B		640.00	ORRI;	<u>2.00%</u>	<u>2.00%</u>	<u>3.471991%</u>
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			TRACT 26			
	T-27-N, R-7-W		Royalty;	12.50%	12.50%	
	Sec. 12: A11		Working Interest:			
			El Paso Natural Gas Co.;	81.50%	81.50%	
			ORRI;	<u>6.00%</u>	<u>6.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			TRACT 27			
	T-27-N, R-7-W		Royalty;	12.50%	12.50%	
079321-A	Sec. 1: Lots 1,2, 3,4, S/2 N/2, S/2 (A11)	639.20	Working Interest:			<u>3.467651%</u>
			El Paso Natural Gas Co.;	81.50%	81.50%	
			ORRI;	<u>6.00%</u>	<u>6.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

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SCHEDULE XXIV

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

TRACT 28

290-28	T-27-N, R-7-W Sec. 2: SW/4 SE/4, SW/4, Lots 3 & 4	278.96	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%	1.513351%
			TOTAL			

TRACT 29

290-3	T-27-N, R-7-W Sec. 2: Lot 2, SW/4 NE/4, NW/4 SE/4	119.54	Royalty; Working Interest; The Wiser Oil Company; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.648503%
			TOTAL			

TRACT 30

290-28	T-27-N, R-7-W Sec. 2: Lot 1, SE/4 NE/4, NE/4 SE/4	119.58	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.648720%
			TOTAL			

TRACT 31

-290-33	T-27-N, R-7-W Sec. 2: SE/4 SE/4, S/2 NW/4	120.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 75.00% 12.50% 100.00%	12.50% 75.00% 12.50% 100.00%	.650999%
			TOTAL			

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SCHEDULE XXIV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC- TICIPAT
			OWNERSHIP	PERCENTAGE		
TRACT 32						
E-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	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%	.2169992%
TRACT 33						
E-4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	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%	.2169992%
TRACT 34						
E-4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	Royalty; Working Interest: Mesa Petroleum Co.; ORRI;	12.50% 84.50% 3.00% 100.00%	12.50% 84.50% 3.00% 100.00%	.2169992%
TRACT 35						
E-2625-6	T-27-N, R-7-W Sec. 16: E/2, SW/4, SE/4 NW/4	520.00	Royalty; Working Interest: Mesa Petroleum Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	2.820992%

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SCHEDULE XXIV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATI
			OWNERSHIP	PERCENTAGE		
TRACT 36						
Fee	T-28-N, R-7-W Sec. 28: W/2 NE/4, SE/4 NE/4	120.00	Royalty; Working Interest; El Paso Natural Gas Co.; Continental Oil Co.; ORRI;	12.5000% 76.5625% 10.9375% 0.0000% 100.0000%	12.5000% 76.5625% 10.9375% 0.0000% 100.0000%	<u>.650999%</u>
TRACT 36-A						
Fee	T-28-N, R-7-W Sec. 21: SW/4 SE/4	40.00	Royalty; Working Interest; Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.50% 43.75% 43.75% 0.00% 100.00%	12.50% 43.75% 43.75% 0.00% 100.00%	<u>.216999%</u>
TOTAL						

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RECAPITULATION

Description of Land in Participating Area:

Township 27 North, Range 7 West, N.M.P.M.

- Section 1: All
- Section 2: All
- Section 3: All
- Section 4: All
- Section 5: E/2
- Section 8: All
- Section 9: All
- Section 10: All
- Section 11: All
- Section 12: All
- Section 15: W/2
- Section 16: All
- Section 17: All
- Section 20: All
- Section 21: W/2
- Section 22: W/2
- Section 27: NW/4
- Section 28: N/2
- Section 29: N/2

Township 28 North, Range 7 West, N.M.P.M.

- Section 10: Lot 1, SE/4 SE/4
- Section 11: Lots 1-4, S/2 S/2
- Section 12: Lots 1-4, S/2 S/2
- Section 13: All
- Section 14: All
- Section 21: E/2
- Section 22: All
- Section 23: All
- Section 24: All
- Section 26: All
- Section 27: All
- Section 28: All
- Section 33: All
- Section 34: All
- Section 35: All
- Section 36: All

Total Number of Proven Acres: 18,433.23
Total Number of Committed Acres in Participating Area: 18,433.23

Percent of Basic Royalty Interest Committed: 100.00%
Percent of Working Interest Committed: 100.00%
Percent of O.R.P.I. Committed: 100.00%

SCHEDULE XXV
 TWENTY-FOURTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 28-7 UNIT AREA

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPA
			OWNERSHIP	PERCENTAGE		
TRACT 1						
1 03521	T-27-N, R-7-W	640.00	Royalty;	12.5000%	12.5000%	<u>3.049828%</u>
	Sec. 17: W/2		Working Interest;			
	Sec. 20: W/2		Tenneco Oil Co.;	32.3125%	32.3125%	
			Continental Oil Co.;	32.3125%	22.8750%	
			ORRI;	22.8750%	<u>100.0000%</u>	
	TOTAL					
TRACT 2						
M 03560	T-27-N, R-7-W	320.00	Royalty;	12.500%	12.500%	<u>1.524914%</u>
	Sec. 29: N/2		Working Interest;			
			El Paso Natural Gas Co.;	63.125%	63.125%	
			ORRI;	24.375%	24.375%	
			TOTAL		<u>100.000%</u>	
TRACT 3						
SF 078417	T-28-N, R-7-W	280.00	Royalty;	12.50%	12.50%	<u>1.334300%</u>
	Sec. 21: NE/4, N/2		Working Interest;			
	SE/4, SE/4		Tenneco Oil Co.;	42.00%	42.00%	
	SE/4		Continental Oil Co.;	42.00%	3.50%	
			ORRI;	3.50%	<u>100.00%</u>	
	TOTAL					
TRACT 4						
SF 078417-A	T-28-N, R-7-W	240.00	Royalty;	12.500000%	12.500000%	<u>1.143686%</u>
	Sec. 22: S/2 NW/4, SW/4		Working Interest;			
			El Paso Natural Gas Co.;	73.171875%	73.171875%	
			Continental Oil Co.;	10.453125%	10.453125%	
			ORRI;	3.875000%	3.875000%	
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		

SCHEDULE XXV

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPATION
			OWNERSHIP	PERCENTAGE		

078496

T-28-N, R-7-W 1,198.29
 Sec. 27: SE/4, E/2 NE/4
 Sec. 34: Lots 3,4, N/2 SW/4, NW/4 (W/2)
 Sec. 35: N/2
 T-27-N, R-7-W
 Sec. 3: Lots 3,4, S/2 NW/4
 Sec. 5: Lots 1,2, S/2 NE/4 (NE/4)

Royalty; 12.50%
 Working Interest: 12.50%
 Tenneco Oil Co.; 42.50%
 Continental Oil Co.; 42.50%
 ORRI; 3.50%
 TOTAL 100.00%
 5.710279%

F 078496

T-27-N, R-7-W 491.65
 Sec. 3: Lots 1,2, S/2 NE/4
 T-28-N, R-7-W
 Sec. 35: N/2 S/2, Lots 1,2,3,4, (S/2)

Royalty; 12.50%
 Working Interest: 12.50%
 El Paso Natural Gas Co.; 84.50%
 ORRI; 3.50%
 TOTAL 100.00%
 2.342887%

SF 078496-A

T-28-N, R-7-W 801.83
 Sec. 26: SW/4
 Sec. 34: Lots 1,2, N/2 SE/4, NE/4 (E/2)
 T-27-N, R-7-W
 Sec. 4: Lots 1,2,3,4, S/2 N/2

Royalty; 12.500000%
 Working Interest: 12.500000%
 El Paso Natural Gas Co.; 73.171875%
 Continental Oil Co.; 10.453125%
 ORRI; 3.875000%
 TOTAL 100.000000%
 3.821006%

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SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
TRACT 7						
SF 078497	T-28-N, R-7-W	320.00	Royalty;	12.50%	12.50%	<u>1.524914%</u>
	Sec. 29: W/2		Working Interest:			
			Tenneco Oil Co.;	42.00%		
			Continental Oil Co.;	42.00%		
			ORRI;	3.50%		
	TOTAL			<u>100.00%</u>		
TRACT 9						
SF 078498	T-28-N, R-7-W	1988.00	Royalty;	12.50%	12.50%	<u>9.473528%</u>
	Sec. 27: W/2, NE/4		Working Interest:			
	Sec. 28: W/2		Tenneco Oil Co.;	42.25%		
	Sec. 33: Lots 1,2,3,4, N/2 S/2, N/2 (A11)		Continental Oil Co.;	42.25%		
	Sec. 29: E/2		ORRI;	3.00%		
	Sec. 32: Lots 1,2, N/2 SE/4, NE/4		TOTAL	<u>100.00%</u>		
TRACT 9-A						
SF 078498-A	T-28-N, R-7-W	515.36	Royalty;	12.500000%	12.500000%	<u>2.455874%</u>
	Sec. 28: SE/4, NE/4 NE/4		Working Interest:			
	Sec. 32: Lots 3,4, N/2 SW/4, NW/4		El Paso Natural Gas Co.;	73.171875%		
			Continental Oil Co.;	10.453125%		
			ORRI;	3.875000%		
	TOTAL			<u>100.000000%</u>		

SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATI
			OWNERSHIP	PERCENTAGE		
TRACT 10						
F 078500-A	T-28-N, R-7-W	200.00				
	Sec. 30: W/2 NE/4,		Royalty;	12.50%	12.50%	<u>.953071%</u>
	NE/4 NE/4,		Working Interest:			
	S/2 SE/4		Tenneco Oil Co.;	42.25%	42.25%	
			Continental Oil Co.;	42.25%	42.25%	
		ORRI;	3.00%	3.00%		
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
TRACT 11						
SF 078656	T-27-N, R-7-W	320.00				
	Sec. 5: SE/4		Royalty;	12.500000%	12.500000%	<u>1.524914</u>
	Sec. 8: NW/4		Working Interest:			
			Tenneco Oil Co.;	34.500000%	34.500000%	
			Continental Oil Co.;	34.500000%	34.500000%	
		ORRI;	18.500000%	18.500000%		
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
TRACT 12						
SF 078565-A	T-27-N, R-7-W	320.52				
	Sec. 5: Lots 3,4, S/2		Royalty;	12.50000%	12.50000%	<u>1.52739%</u>
	NW/4, SW/4 (W/2)		Working Interest:			
			Koch Industries, Inc.;	75.68750%	75.68750%	
			Reserve Oil & Gas Co.;	10.81250%	10.81250%	
		ORRI;	1.00000%	1.00000%		
			TOTAL	<u>100.00000%</u>	<u>100.00000%</u>	

SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC- TICIPAT
			OWNERSHIP	PERCENTAGE		
TRACT 13						
SF 078569	T-27-N, R-7-W	320.00		12.500000%	12.500000%	1.5249147
	Sec. 8: SW/4, NE/4					
	Royalty;					
	Working Interest:			82.500000%	82.500000%	
	El Paso Natural Gas Co.;			5.000000%	5.000000%	
	ORRI;			100.000000%	100.000000%	
	TOTAL					
TRACT 14						
SF 078570	T-27-N, R-7-W	640.00		12.50%	12.50%	3.049828
	Sec. 4: S/2					
	Royalty;					
	Working Interest:			80.50%	80.50%	
	Tenneco Oil Co.;			7.00%	7.00%	
	ORRI;			100.00%	100.00%	
	TOTAL					
TRACT 15						
SF 078640	T-27-N, R-7-W	2240.00		12.50%	12.50%	10.674398
	Sec. 9: SW/4					
	Royalty;					
	Working Interest:			82.50%	82.50%	
	El Paso Natural Gas Co.;			5.00%	5.00%	
	ORRI;			100.00%	100.00%	
	TOTAL					
TRACT 16						
SF 078835	T-27-N, R-7-W	320.00		12.500%	12.500%	1.52491
	Sec. 7: E/2					
	Royalty;					
	Working Interest:			84.000%	84.000%	
	El Paso Natural Gas Co.;			3.500%	3.500%	
	ORRI;			100.000%	100.000%	
	TOTAL					

SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 18						
078840	T-27-N, R-7-W Sec. 18: E/2	320.00	Royalty;	12.50%	12.50%	<u>1.524914%</u>
			Working Interest:			
			Tenneco Oil Co.;	33.50%	33.50%	
			Continental Oil Co.;	33.50%	33.50%	
			ORRI;	20.50%	20.50%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
TRACT 19						
SF 078972	T-27-N, R-7-W Sec. 3: S/2 Sec. 10: A11 Sec. 11: A11	1600.00	Royalty;	12.50%	12.50%	<u>7.624570%</u>
			Working Interest:			
			Mesa Petroleum Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
				TOTAL	<u>100.00%</u>	
TRACT 20						
SF 078972-A	T-27-N, R-7-W Sec. 9: E/2	320.00	Royalty;	12.500%	12.50%	<u>1.524914%</u>
			Working Interest:			
			El Paso Natural Gas Co.;	39.1666%	39.1666%	
			J. Glenn Turner;	13.7500%	13.7500%	
			Dixie McLane Trust;	13.7500%	13.7500%	
			W. Peavy;	6.6667%	6.6667%	
			Margaret Hotchkiss, Guardian;	6.6667%	6.6667%	
			ORRI;	7.5000%	7.5000%	
			TOTAL	<u>100.0000%</u>	<u>100.0000%</u>	
TRACT 21						
SF 079289	T-28-N, R-7-W Sec. 14: E/2 Sec. 22: N/2 NW/4 Sec. 12: Lots 1-4, S/2 S/2 (A11) Sec. 10: Lot 1, SE/4 SE/4	762.18	Royalty;	12.50%	12.50%	<u>3.632059%</u>
			Working Interest:			
			Tenneco Oil Co.;	34.50%	34.50%	
			Continental Oil Co.;	34.50%	34.50%	
			ORRI;	18.50%	18.50%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 22						
SF 079289-A	T-28-N, R-7-W	640.00	Royalty;	12.500%	12.500%	3.049328%
	Sec. 14: W/2		Working Interest:	75.000%	75.000%	
	Sec. 22: E/2		El Paso Natural Gas Co.;	12.500%	12.500%	
			ORRI;	100.000%	100.000%	
			TOTAL			
SF 079289-A	T-28-N, R-7-W	292.80	Royalty;	12.5000%	12.5000%	1.395295%
	Sec. 11: Lots 1, 2 3,		Working Interest:	65.6250%	65.6250%	
	4, S/2 S/2 (All)		Koch Industries, Inc.;	9.3750%	9.3750%	
			Reserve Oil & Gas Co.;	12.5000%	12.5000%	
			ORRI;	100.0000%	100.0000%	
TRACT 23						
SF 079290	T-28-N, R-7-W	1280.00	Royalty;	12.50%	12.50%	6.099656%
	Sec. 13: E/2		Working Interest:	34.50%	34.50%	
	Sec. 23: W/2		Tenneco Oil Co.;	34.50%	34.50%	
	Sec. 24: W/2		Continental Oil Co.;	18.50%	18.50%	
	Sec. 26: N/2		ORRI;	100.00%	100.00%	
TRACT 24						
SF 079290-A	T-28-N, R-7-W	640.00	Royalty;	12.5000%	12.5000%	3.049328%
	Sec. 23: E/2		Working Interest:	76.5625%	76.5625%	
	Sec. 24: E/2		Koch Industries, Inc.;	10.9375%	10.9375%	
			Reserve Oil & Gas Co.;	.0000%	.0000%	
			ORRI;	100.0000%	100.0000%	

SCHEDULE XXV

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIPA
			OWNERSHIP	PERCENTAGE		
SF 079294	T-28-N, R-7-W Sec. 13: W/2	320.00	TRACT 24 (Continued)	12.5000%	12.5000%	1.524914%
			Royalty;			
			Working Interest:	74.0000%	74.0000%	
			El Paso Natural Gas Co.;	13.5000%	13.5000%	
			ORRI;	100.0000%	100.0000%	
			TOTAL			
			TRACT 25			
			Royalty;	12.50%	12.50%	3.892724%
			Working Interest:	85.50%	85.50%	
			Mesa Petroleum Co.;	2.00%	2.00%	
			ORRI;	100.00%	100.00%	
			TOTAL			
			TRACT 26			
			Royalty;	12.50%	12.50%	3.049828%
			Working Interest:	81.50%	81.50%	
			El Paso Natural Gas Co.;	6.00%	6.00%	
			ORRI;	100.00%	100.00%	
			TOTAL			
			TRACT 27			
			Royalty;	12.50%	12.50%	3.046016%
			Working Interest:	81.50%	81.50%	
			El Paso Natural Gas Co.;	6.00%	6.00%	
			ORRI;	100.00%	100.00%	
			TOTAL			
			TRACT 28			
			Royalty;	12.50%	12.50%	3.046016%
			Working Interest:	81.50%	81.50%	
			El Paso Natural Gas Co.;	6.00%	6.00%	
			ORRI;	100.00%	100.00%	
			TOTAL			

SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 28						
E-290-28	T-27-N, R-7-W Sec. 2: SW/4 SE/4, SW/4, Lots 3 & 4	278.96	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%	1.329344%
TRACT 29						
E-290-3	T-27-N, R-7-W Sec. 2: Lot 2, SW/4 NE/4, NW/4 SE/4	119.54	Royalty; Working Interest: The Wiser Oil Company; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.569651%
TRACT 30						
E-290-28	T-27-N, R-7-W Sec. 2: Lot 1, SE/4 NE/4, NE/4 SE/4	119.58	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.569841%
TRACT 31						
E-290-33	T-27-N, R-7-W Sec. 2: SE/4 SE/4, S/2 NW/4	120.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 75.00% 12.50% 100.00%	12.50% 75.00% 12.50% 100.00%	.57184%

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SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC:
			OWNERSHIP	PERCENTAGE		
<u>TRACT 32</u>						
E-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL	12.50% 83.50% 4.00% 100.00%	12.50% 83.50% 4.00% 100.00%	<u>.190614%</u>
<u>TRACT 33</u>						
E-4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>.190614%</u>
<u>TRACT 34</u>						
E-4425-6	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	Royalty; Working Interest: Mesa Petroleum Co.; ORRI; TOTAL	12.50% 84.50% 3.00% 100.00%	12.50% 84.50% 3.00% 100.00%	<u>.190614%</u>
<u>TRACT 35</u>						
E-2825-6	T-27-N, R-7-W Sec. 16: E/2, SW/4, SE/4 NW/4	520.00	Royalty; Working Interest: Mesa Petroleum Co.; ORRI; TOTAL	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>2.477985%</u>

SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC- TICIPAT
			OWNERSHIP	PERCENTAGE		
<u>TRACT 36</u>						
Fee	T-28-N, R-7-W Sec. 28: W/2 NE/4, SE/4 NE/4	120.00	Royalty; Working Interest; El Paso Natural Gas Co.; Continental Oil Co.; ORRI;	12.5000% 76.5625% 10.9375% 0.0000% <u>100.0000%</u>	12.5000% 76.5625% 10.9375% 0.0000% <u>100.0000%</u>	<u>.571843%</u>
<u>TRACT 36-A</u>						
Fee	T-28-N, R-7-W Sec. 21: SW/4 SE/4 Sec. 30: SE/4 NE/4, N/2 SE/4	160.00	Royalty; Working Interest; Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.50% 43.75% 43.75% 0.00% <u>100.00%</u>	12.50% 43.75% 43.75% 0.00% <u>100.00%</u>	<u>.762457%</u>

RECAPITULATION

Description of Land in Participating Area:

Township 27 North, Range 7 West, N.M.P.M.

Section 1: All
Section 2: All
Section 3: All
Section 4: All
Section 5: All
Section 7: E/2
Section 8: All
Section 9: All
Section 10: All
Section 11: All
Section 12: All
Section 15: W/2
Section 16: All
Section 17: All
Section 18: E/2
Section 20: All
Section 21: W/2
Section 22: W/2
Section 27: NW/4
Section 28: N/2
Section 29: N/2

Township 28 North, Range 7 West, N.M.P.M.

Section 10: Lot 1, SE/4 SE/4
Section 11: Lots 1-4, S/2 S/2
Section 12: Lots 1-4, S/2 S/2
Section 13: All
Section 14: All
Section 21: E/2
Section 22: All
Section 23: All
Section 24: All
Section 26: All
Section 27: All
Section 28: All
Section 29: All
Section 30: E/2
Section 32: All
Section 33: All
Section 34: All
Section 35: All
Section 36: All

Total Number of Proven Acres:

20,984.79

Total Number of Committed Acres in Participating Area:

20,984.79

Percent of Basic Royalty Interest Committed:

100.00%

Percent of Working Interest Committed:

100.00%

Percent of O.R.R.I. Committed:

100.00%

SCHEDULE XXVI
 TWENTY- FIFTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 28-7 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPA
			OWNERSHIP	PERCENTAGE		
TRACT 1						
WM 03521	T-27-N, R-7-W	640.00	Royalty;	12.5000%	12.5000%	2.718223%
	Sec. 17: W/2		Working Interest:			
	Sec. 20: W/2		Tenneco Oil Co.;	32.3125%		
			Continental Oil Co.;	32.3125%		
			ORRI;	22.8750%		
		TOTAL	100.0000%	100.0000%		
TRACT 2						
WM 03560	T-27-N, R-7-W	320.00	Royalty;	12.500%	12.500%	1.359111%
	Sec. 29: N/2		Working Interest:			
			El Paso Natural Gas Co.;	63.125%		
			ORRI;	24.375%		
		TOTAL	100.000%	100.000%		
TRACT 3						
SF 078417	T-28-N, R-7-W	1,320.00	Royalty;	12.50%	12.50%	5.606336%
	Sec. 16: S/2		Working Interest:			
	Sec. 17: E/2		Tenneco Oil Co.;	42.00%		
	Sec. 20: NE/4		Continental Oil Co.;	42.00%		
	Sec. 21: N/2, N/2 S/2, SE/4 SE/4		ORRI;	3.50%		
		TOTAL	100.00%	100.00%		
TRACT 4						
SF 078417-A	T-28-N, R-7-W	240.00	Royalty;	12.500000%	12.500000%	1.019334%
	Sec. 22: S/2 NW/4, SW/4		Working Interest:			
			El Paso Natural Gas Co.;	73.171875%		
			Continental Oil Co.;	10.453125%		
		ORRI;	3.875000%	3.875000%		
	TOTAL	100.000000%	100.000000%			

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPA
			OWNERSHIP	PERCENTAGE		

SF 078496

T-28-N, R-7-W 1,198.29
 Sec. 27: SE/4, E/2 NE/4
 Sec. 34: Lots 3,4, N/2 SW/4, NW/4 (W/2)
 Sec. 35: N/2
 T-27-N, R-7-W
 Sec. 3: Lots 3,4, S/2 NW/4
 Sec. 5: Lots 1,2, S/2 NE/4 (NE/4)

TRACT 5

Royalty;
 Working Interest:
 Tenneco Oil Co.;
 Continental Oil Co.;
 ORRI;
 TOTAL

12.50%
 42.50%
 42.50%
 3.50%
 100.00%

5.089406%

SF 078496

T-27-N, R-7-W 491.65
 Sec. 3: Lots 1,2, S/2 NE/4
 T-28-N, R-7-W
 Sec. 35: N/2 S/2, Lots 1,2,3,4, (S/2)

TRACT 5

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

12.50%
 84.50%
 3.50%
 100.00%

2.088148%

SF 078496-A

T-28-N, R-7-W 801.83
 Sec. 26: SW/4
 Sec. 34: Lots 1,2, N/2 SE/4, NE/4 (E/2)
 T-27-N, R-7-W
 Sec. 4: Lots 1,2,3,4, S/2 N/2

TRACT 6

Royalty;
 Working Interest:
 El Paso Natural Gas Co.;
 Continental Oil Co.;
 ORRI;
 TOTAL

12.500000%
 73.171875%
 10.453125%
 3.875000%
 100.000000%

3.405552%

SCHEDULE XXVI

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078497	T-28-N, R-7-W	720.00				
	Sec. 29: W/2			12.50%	12.50%	3.058001%
	Sec. 16: N/2			42.00%	42.00%	
	Sec. 20: N/2 SE/4			42.00%	42.00%	
				3.50%	3.50%	
			TOTAL	100.00%	100.00%	
TRACT 7						
SF 078497-A	T-28-N, R-7-W	320.00				
	Sec. 20: W/2			12.500000%	12.500000%	1.359111%
				73.171875%	73.171875%	
				10.453125%	10.453125%	
				3.875000%	3.875000%	
			TOTAL	100.000000%	100.000000%	
TRACT 8						
F 078498	T-28-N, R-7-W	1988.00				
	Sec. 27: W/2, W/2 NE/4			12.50%	12.50%	8.443482%
	Sec. 28: W/2			42.25%	42.25%	
	Sec. 33: Lots 1,2,3,4, N/2 S/2, N/2 (A11)			42.25%	42.25%	
				3.00%	3.00%	
			TOTAL	100.00%	100.00%	
TRACT 9						

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 9-A						
F 078498-A	T-28-N, R-7-W	515.36			12.500000%	2.188849%
	Sec. 28: SE/4, NE/4 NE/4					
	Sec. 32: Lots 3,4, N/2 SW/4, NW/4				73.171875%	73.171875%
					10.453125%	10.453125%
					3.875000%	3.875000%
	TOTAL			100.000000%	100.000000%	
TRACT 10						
SF 078500-A	T-28-N, R-7-W	200.00			12.50%	.849445%
	Sec. 30: W/2 NE/4, NE/4 NE/4, S/2 SE/4					
					42.25%	42.25%
					42.25%	42.25%
					3.00%	3.00%
	TOTAL			100.00%	100.00%	
TRACT 11						
SF 078656	T-27-N, R-7-W	320.00			12.500000%	1.359112%
	Sec. 5: SE/4					
	Sec. 8: NW/4				34.500000%	34.500000%
					34.500000%	34.500000%
					18.500000%	18.500000%
	TOTAL			100.000000%	100.000000%	

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 12						
SF 078565-A	T-27-N, R-7-W	320.52				
	Sec. 5: Lots 3,4, S/2					
	NW/4, SW/4 (W/2)					
	Royalty;			12.50000%	12.50000%	1.361320%
	Working Interest:					
	Koch Industries, Inc.;			75.68750%	75.68750%	
	Reserve Oil & Gas Co.;			10.81250%	10.81250%	
ORRI;			1.00000%	1.00000%		
	TOTAL		100.00000%	100.00000%		
TRACT 13						
SF 078569	T-27-N, R-7-W	320.00				
	Sec. 8: SW/4, NE/4					
	Royalty;			12.500000%	12.500000%	1.359112%
	Working Interest:					
	El Paso Natural Gas Co.;			82.500000%	82.500000%	
ORRI;			5.000000%	5.000000%		
	TOTAL		100.000000%	100.000000%		
TRACT 14						
SF 078570	T-27-N, R-7-W	640.00				
	Sec. 4: S/2					
	Sec. 8: SE/4					
	Sec. 9: NW/4					
	Royalty;			12.50%	12.50%	2.718223%
Working Interest:						
Tenneco Oil Co.;			80.50%	80.50%		
ORRI;			7.00%	7.00%		
	TOTAL		100.00%	100.00%		

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078640	TRACT 15					
	T-27-N, R-7-W	2240.00				
	Sec. 9: SW/4		Royalty;	12.50%	12.50%	9.513782%
	Sec. 15: W/2		Working Interest;			
	Sec. 17: E/2		El Paso Natural Gas Co.;	82.50%	82.50%	
	Sec. 20: E/2		ORRI;	5.00%	5.00%	
	Sec. 21: W/2		TOTAL	100.00%	100.00%	
SF 078835	TRACT 16					
	T-27-N, R-7-W	320.00				
	Sec. 7: E/2		Royalty;	12.500%	12.500%	1.359112 ^{1/2} %
			Working Interest;			
			El Paso Natural Gas Co.;	84.000%	84.000%	
			ORRI;	3.500%	3.500%	
			TOTAL	100.000%	100.000%	
SF 078840	TRACT 18					
	T-27-N, R-7-W	320.00				
	Sec. 18: E/2		Royalty;	12.50%	12.50%	1.359112%
			Working Interest;			
			Tenneco Oil Co.;	33.50%	33.50%	
			Continental Oil Co.;	33.50%	33.50%	
			ORRI;	20.50%	20.50%	
		TOTAL	100.00%	100.00%		

SCHEDULE XXVI

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
F 078972	T-27-N, R-7-W	1600.00	TRACT 19			6.795559%
	Sec. 3: S/2		Royalty;	12.50%		
	Sec. 10: All		Working Interest;	82.50%		
	Sec. 11: All		Mesa Petroleum Co.;	5.00%		
			ORRI;	100.00%		
			TOTAL			
SF 078972-A	T-27-N, R-7-W	320.00	TRACT 20			1.359112%
	Sec. 9: E/2		Royalty;	12.5000%		
			Working Interest;	39.1666%		
			El Paso Natural Gas Co.;	13.7500%		
			J. Glenn Turner;	13.7500%		
	Dixie McLane Trust;	6.6667%				
	W. Peavy;	6.6667%				
	Margaret Hotchkiss, Guardian;	7.5000%				
	ORRI;	100.0000%				
			TOTAL			
F 079289	T-28-N, R-7-W	1082.18	TRACT 21			4.596261%
	Sec. 14: E/2		Royalty;	12.50%		
	Sec. 22: N/2 NW/4		Working Interest;	34.50%		
	Sec. 12: Lots 1-4, S/2 S/2 (All)		Tenneco Oil Co.;	34.50%		
	Sec. 10: Lot 1, SE/4 SE/4		Continental Oil Co.;	18.50%		
	Sec. 15: E/2	ORRI;	100.00%			
			TOTAL			

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 22						
F 079289-A	T-28-N, R-7-W	640.00		12.500%	12.500%	2.718223%
	Sec. 14: W/2		Royalty;			
	Sec. 22: E/2		Working Interest:			
			E1 Paso Natural Gas Co.;	75.000%	75.000%	
			ORRI;	12.500%	12.500%	
			TOTAL	100.000%	100.000%	
F 079289-A	T-28-N, R-7-W	612.80		12.5000%	12.5000%	2.602699%
	Sec. 11: Lots 1, 2 3,		Royalty;			
	4, S/2 S/2 (A11)		Working Interest:			
	Sec. 15: W/2		Koch Industries, Inc.;	65.6250%	65.6250%	
			Reserve Oil & Gas Co.;	9.3750%	9.3750%	
			ORRI;	12.5000%	12.5000%	
			TOTAL	100.0000%	100.0000%	
TRACT 23						
F 079290	T-28-N, R-7-W	1280.00		12.50%	12.50%	5.436447%
	Sec. 13: E/2		Royalty;			
	Sec. 23: W/2		Working Interest:			
	Sec. 24: W/2		Tenneco Oil Co.;	34.50%	34.50%	
	Sec. 26: N/2		Continental Oil Co.;	34.50%	34.50%	
			ORRI;	18.50%	18.50%	
			TOTAL	100.00%	100.00%	

SCHEDULE XXVI

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
F 079290-A	T-28-N, R-7-W	640.00				
	Sec. 23: E/2		Royalty;	12.5000%	12.5000%	2.718223%
	Sec. 24: E/2		Working Interest:			
			Koch Industries, Inc.;	76.5625%	76.5625%	
			Reserve Oil & Gas Co.;	10.9375%	10.9375%	
			ORRI;	.0000%	.0000%	
			TOTAL	100.0000%	100.0000%	
	T-28-N, R-7-W	320.00				
	Sec. 13: W/2		Royalty;	12.5000%	12.5000%	1.359112%
			Working Interest:			
			El Paso Natural Gas Co.;	74.0000%	74.0000%	
			ORRI;	13.5000%	13.5000%	
			TOTAL	100.0000%	100.0000%	
	SF 079294	T-28-N, R-7-W	816.88			
Sec. 26: SE/4			Royalty;	12.50%	12.50%	3.469472%
Sec. 36: Lots 1,2,3,4,			Working Interest:			
N/2 S/2, N/2 (A11)			Mesa Petroleum Co.;	85.50%	85.50%	
			ORRI;	2.00%	2.00%	
			TOTAL	100.00%	100.00%	

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079298-B	T-27-N, R-7-W Sec. 12: All	640.00	TRACT 26			2.718223%
			Royalty;	12.50%	12.50%	
			Working Interest:			
			El Paso Natural Gas Co.;	81.50%	81.50%	
			ORRI;	6.00%	6.00%	
			TOTAL	100.00%	100.00%	
F 079321-A	T-27-N, R-7-W Sec. 1: Lots 1,2, 3,4, S/2 N/2, S/2 (All)	639.20	TRACT 27			2.714826%
			Royalty;	12.50%	12.50%	
			Working Interest:			
			El Paso Natural Gas Co.;	81.50%	81.50%	
			ORRI;	6.00%	6.00%	
			TOTAL	100.00%	100.00%	
E-290-28	T-27-N, R-7-W Sec. 2: SW/4 SE/4, SW/4, Lots 3 & 4	278.96	TRACT 28			1.184806%
			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%	

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
-290-3	T-27-N, R-7-W	119.54				
	Sec. 2: Lot 2, SW/4 NE/4, NW/4 SE/4					
			Royalty;	12.50%	12.50%	.507713%
			Working Interest: The Wiser Oil Company;	87.50%	87.50%	
			ORRI;	.00%	.00%	
			TOTAL	100.00%	100.00%	
-290-28	T-27-N, R-7-W	119.58				
	Sec. 2: Lot 1, SE/4 NE/4, NE/4 SE/4					
			Royalty;	12.50%	12.50%	.507883%
			Working Interest: El Paso Natural Gas Co.;	87.50%	87.50%	
			ORRI;	.00%	.00%	
			TOTAL	100.00%	100.00%	
E-290-33	T-27-N, R-7-W	120.00				
	Sec. 2: SE/4 SE/4, S/2 NW/4					
			Royalty;	12.50%	12.50%	.509667%
			Working Interest: El Paso Natural Gas Co.;	75.00%	75.00%	
			ORRI;	12.50%	12.50%	
			TOTAL	100.00%	100.00%	

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 32						
E-4425-25	T-27-N, R-7-W Sec. 16: NW/4 NW/4	40.00	Royalty;	12.50%	12.50%	<u>.169889%</u>
			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>	
TRACT 33						
E-4425-48	T-27-N, R-7-W Sec. 16: NE/4 NW/4	40.00	Royalty;	12.50%	12.50%	<u>.169889%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
TRACT 34						
E-4425-46	T-27-N, R-7-W Sec. 16: SW/4 NW/4	40.00	Royalty;	12.50%	12.50%	<u>.169889%</u>
			Working Interest;			
			Mesa Petroleum Co.;	84.50%	84.50%	
			ORRI;	3.00%	3.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
TRACT 35						
E-2825-6	T-27-N, R-7-W Sec. 16: E/2, SW/4, SE/4 NW/4	520.00	Royalty;	12.50%	12.50%	<u>2.208557%</u>
			Working Interest;			
			Mesa Petroleum Co.;	82.50%	82.50%	
			ORRI;	5.00%	5.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

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SCHEDULE XXVI

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 36						
see	T-28-N, R-7-W	120.00				
	Sec. 28: W/2 NE/4, SE/4 NE/4		Royalty; Working Interest; El Paso Natural Gas Co.; Continental Oil Co.; ORRI;	12.5000% 76.5625% 10.9375% 0.0000% <u>100.0000%</u>	12.5000% 76.5625% 10.9375% 0.0000% <u>100.0000%</u>	 <u>.509667 [%]/₁₀₀</u>
			TOTAL			
TRACT 36-A						
see	T-28-N, R-7-W	320.00				
	Sec. 20: S/2 SE/4		Royalty; Working Interest; Tenneco Oil Co.; Continental Oil Co.; ORRI;	12.50% 43.75% 43.75% 0.00% <u>100.00%</u>	12.50% 43.75% 43.75% 0.00% <u>100.00%</u>	 <u>1.359112 [%]/₁₀₀</u>
	Sec. 21: SW/4 SE/4, S/2 SW/4					
	Sec. 30: SE/4 NE/4, N/2 SE/4					
			TOTAL			

RECAPITULATION

Description of Land in Participating Area:

Township 27 North, Range 7 West, N.M.P.M.		Township 28 North, Range 7 West, N.M.P.M.	
Section 1:	A11	Section 10:	Lot 1, SE/4 SE/4
Section 2:	A11	Section 11:	A11
Section 3:	A11	Section 12:	A11
Section 4:	A11	Section 13:	A11
Section 5:	A11	Section 14:	A11
Section 7:	E/2	Section 15:	A11
Section 8:	A11	Section 16:	A11
Section 9:	A11	Section 17:	E/2
Section 10:	A11	Section 20:	A11
Section 11:	A11	Section 21:	A11
Section 12:	A11	Section 22:	A11
Section 15:	W/2	Section 23:	A11
Section 16:	A11	Section 24:	A11
Section 17:	A11	Section 26:	A11
Section 18:	E/2	Section 27:	A11
Section 20:	A11	Section 28:	A11
Section 21:	W/2	Section 29:	A11
Section 22:	W/2	Section 30:	E/2
Section 27:	NW/4	Section 32:	A11
Section 28:	N/2	Section 33:	A11
Section 29:	N/2	Section 34:	A11
		Section 35:	A11
		Section 36:	A11

23,544.79
23,544.79

Total Number of Proven Acres:

Total Number of Committed Acres in Participating Area:

Percent of Basic Royalty Interest Committed: 100.00%
Percent of Working Interest Committed: 100.00%
Percent of O.R.R.I. Committed: 100.00%