

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. 540  
San Juan 27-5 Unit  
1981 Drilling Program

Gentlemen:

We hereby approve the 1981 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the 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

COPY

State of New Mexico



520

Commissioner of Public Lands

ALEX J. ARMIJO  
COMMISSIONER

December 2, 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 27-5 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 27-5 Unit, Rio Arriba County, New Mexico. Such program proposes the drilling of wells No. 106M, 100M, 110M, 111M, 192, 193, 98E, and 195. 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  
encl.  
cc:

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

November 7, 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

540  
OK  
12/1/80  
E/P

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1981 Drilling Program

Gentlemen:

By letter dated January 11, 1980, El Paso Natural Gas Company, as Unit Operator of the San Juan 27-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1980. This Program provided for the drilling of 9 Mesaverde wells. All of said wells are to be drilled to a depth sufficient to test the Mesaverde and in a manner whereby they can be dually completed as Pictured Cliffs/Mesaverde wells; eight (8) are presently being drilled.

It also provided for the drilling of two Dakota wells. These are being drilled Three additional dual Mesaverde/Dakota wells were added by amendments to the program and are also currently being drilled.

As of this date, the total number of wells in the San Juan 27-5 Unit is as follows:

Dual Pictured Cliffs/Mesaverde being drilled	8
Dual Pictured Cliffs/Mesaverde approved but not yet drilled.	1
Pictured Cliffs Mesaverde	47
Dual, Pictured Cliffs/Mesaverde	23
Dual, Mesaverde/Dakota	43
Dakota, Being Drilled	3
Dakota	2
Dual Mesaverde/Dakota being drilled	68
Mesaverde, Non-commercial	3
Dakota, Non-commercial	1
	<u>1</u>
	200

DEC 01 1980  
OIL CONSERVATION DIVISION  
SANTA FE

Pursuant to Section 10 of the San Juan 27-5 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 Block</u>	<u>Formation</u>
106M	W/2 of Section 1 (MV), N/2 of Section 1 (DK)	MV/DK
100M	E/2 of Section 1 (MV), S/2 of Section 1 (DK)	MV/DK
110M	W/2 of Section 2 (MV), N/2 of Section 2 (DK)	MV/DK
111M	E/2 of Section 2 (MV), S/2 of Section 2 (DK)	MV/DK
#192	W/2 of Section 10	Mesaverde
#193	W/2 of Section 11	Mesaverde
#98E	W/2 of Section 14	MV/DK
#195	E/2 of Section 15	Mesaverde

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  
Attorney-in-Fact

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)

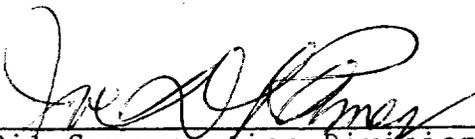
DATED: \_\_\_\_\_

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 27-5 Unit, #14-08-001-950, Rio Arriba County, New Mexico.

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Nickie G. Candelaria

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria  
Genevieve Candelaria, Personal Repr.  
of the Est. of Pablo Leopoldo Candelaria

Central National Bank & Trust Co.  
of Des Moines, Trustee under the Will  
of Gerald F. Harrington, Deceased

Mary Jone Chappell

Costal Oil & Gas Corporate

Mr. Sam Dazzo & Frances Joy Dazzo

Thomas Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Mr. F. Eugene Harrington

Mr. Gerald E. Harrington

Mr. James V. Harrington

Mr. T. H. Harrington

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Mrs. Cathrine M. Harvey

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Prop.

Mrs. Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation  
Farmington, New Mexico

(El Paso Exploration Co.)

PWG Partnership

Mr. H. O. Pool, Trustee of  
The H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

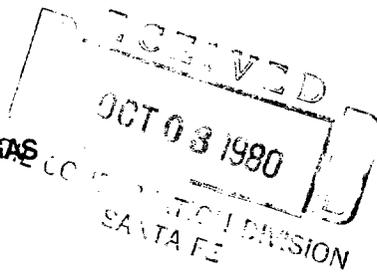
Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

Max Rotholz

**El Paso** NATURAL GAS COMPANY



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

September 30, 1980

540

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

Gentlemen:

The third amendment to the 1980 Drilling Program for the San Juan 27-5 Unit was approved by the regulatory bodies on the dates indicated:

<u>USGS</u>	<u>CPL</u>	<u>OCD</u>
9/8/80	9/11/80	9/24/80

Copies of this letter are being sent to the working interest owners of the above unit.

Very truly yours,

A handwritten signature in cursive script that reads "Tom F. Hawkins".

Tom F. Hawkins  
Landman  
Land Department

TFH/en  
SJ 27-5 Unit, 3.0

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Nickie G. Candelaria

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria  
Genevieve Candelaria, Personal Repr.  
of the Est. of Pablo Leopoldo Candelaria

Central National Bank & Trust Co.  
of Des Moines, Trustee under the Will  
of Gerald F. Harrington, Deceased

Mary Jone Chappell

Costal Oil & Gas Corporate

Mr. San Dazzo & Frances Joy Dazzo

Thomas Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Mr. F. Eugene Harrington

Mr. Gerald E. Harrington

Mr. James V. Harrington

Mr. T. H. Harrington

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Mrs. Cathrine M. Harvey

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Prop.

Mrs. Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation  
Farmington, New Mexico

(El Paso Exploration Co.)

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Mr. H. O. Pool, Trustee of  
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Mr. Joe Quinn

Mr. James M. Raymond

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

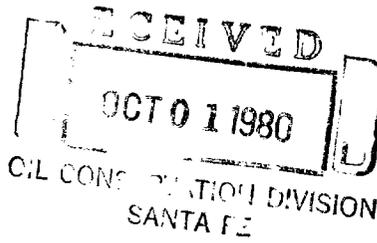
Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

Max Rotholz

**El Paso** NATURAL GAS  
COMPANY



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

September 29, 1980

Handwritten initials "SJK" with a long horizontal line extending to the right.

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

Gentlemen:

The second amendment to the 1980 Drilling Program for the San Juan 27-5 Unit was approved by the regulatory bodies on the dates indicated:

<u>USGS</u>	<u>CPL</u>	<u>OCD</u>
9/12/80	6/25/80	7/9/80

Copies of this letter are being sent to the working interest owners of the above unit.

Very truly yours,

Handwritten signature of Tom F. Hawkins.

Tom F. Hawkins  
Landman  
Land Department

TFH/en  
SJ 27-5 Unit, 3.0

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

Mrs. Lela L. Barkley

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Mr. James A. Brown

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Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria  
Genevieve Candelaria, Personal Repr.  
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Flag-Redfern Oil Company

General American Oil Company of Texas

Mr. F. Eugene Harrington

Mr. Gerald E. Harrington

Mr. James V. Harrington

Mr. T. H. Harrington

Mr. Thomas H. Harrington

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Mrs. Cathrine M. Harvey

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Prop.

Mrs. Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation  
Farmington, New Mexico

(El Paso Exploration Co.)

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Mr. Robert P. Tinnin

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Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

Max Rotholz

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

September 24, 1980

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 540  
San Juan 27-5 Unit  
Third Amendment to  
1980 Drilling Program

Gentlemen:

We hereby approve the Third Amendment to 1980 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Third Amendment 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



# United States Department of the Interior

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

23 SEP 1980

540

El Paso Natural Gas Company  
Attention: D. N. Canfield  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Two approved copies of your 1980 amended plan of development for the San Juan 27-5 unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing to drill well No. 101E as a dual Mesaverde/Dakota well in the S $\frac{1}{2}$  of section 10, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

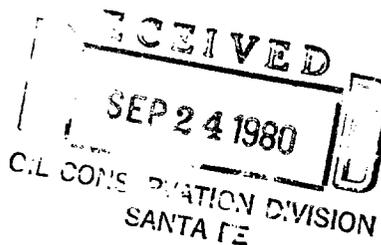
Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

FOR Gene F. Daniel  
Acting Deputy Conservation Manager  
Oil and Gas

Enclosures

cc: - NMOCD, Santa Fe  
Com of Pub Lands, Santa Fe

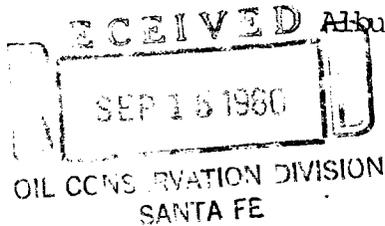




# United States Department of the Interior

GEOLOGICAL SURVEY  
South Central Region  
P. O. Box 26124

Albuquerque, New Mexico 87125



540

12 SEP 1980

El Paso Natural Gas Company  
Attention: D. N. Canfield  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1980 amended plan of development of the San Juan 27 - 5 unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing to drill well No. 25A, a Pictured Cliffs-Mesaverde dual 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

FOR Gene F. Daniel  
Acting Deputy Conservation Manager  
Oil and Gas

Enclosures

cc;

— NMOCD, Santa Fe  
Com of Pub. Lands, Santa Fe

State of New Mexico



540

Commissioner of Public Lands

September 11, 1980

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

Re: San Juan 27-5  
Rio Arriba County, New Mexico  
THIRD AMENDMENT TO 1980 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your Third Amendment to the 1980 Drilling Program, San Juan 27-5 Unit. Such amendment calls for the inclusion of Well # 101E, a Mesaverde-Dakota dual located on the S/2 of Section 10. Our approval is subject to like approval by the United States Geological Survey and the Oil Conservation Division.

Your Second Amendment to the 1980 Drilling Program was approved by this office June 25, 1980 and by the Oil Conservation Division July 8, 1980. The USGS has not yet given their approval.

Enclosed is one approved copy of the Third Amendment to the 1980 Drilling Program.

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:

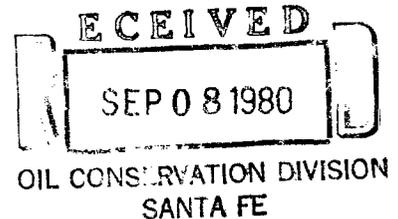
OCD-Santa Fe, New Mexico ✓  
USGS-Roswell, New Mexico  
USGS-Albuquerque, New Mexico

**El Paso** NATURAL GAS  
COMPANY

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

540

September 2, 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

OK  
9/15/80  
EJP

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
THIRD AMENDMENT TO 1980 DRILLING PROGRAM

Gentlemen:

The 1980 Drilling Program for the San Juan 27-5 Unit which was submitted to you by our letter January 11, 1980 has been approved.

The amendment to said Drilling Program which was submitted to you by our letter of April 11, 1980 has also been approved.

The amendment to said Drilling Program which was submitted to you by our letter of June 17, 1980 has not yet been approved.

Subsequent to the submittal of said letter of January 11, 1980 the necessary working interest owners have requested to include Well #101E, a Mesaverde-Dakota dual located on the S/2 of Section 10, on said Drilling Program. Accordingly El Paso Natural Gas Company, as Unit Operator, proposes that said Drilling Program be amended to include said well.

If this amendment 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

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is written in a cursive, flowing style.

D. N. Canfield  
Attorney-in-Fact

DNC/TFH/en  
Attachments  
San Juan 27-5 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)

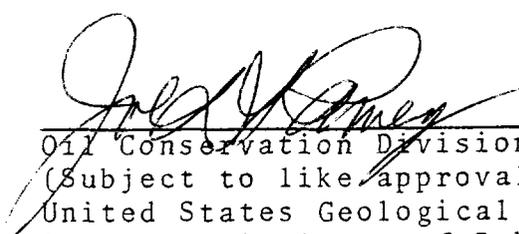
DATED: \_\_\_\_\_

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: 9/24/80

The foregoing approvals are for the amendment to the 1980  
Drilling Program for the San Juan 27-5 Unit #14-08-001-950,  
Rio Arriba County, New Mexico.

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

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Northwest Pipeline Corporation  
Farmington, New Mexico

(El Paso Exploration Co.)

PWG Partnership

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Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

July 8, 1980

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 540  
San Juan 27-5 Unit  
Second Amendment to  
1980 Drilling Program

Gentlemen:

We hereby approve the Second Amendment to 1980 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Second Amendment 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  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

July 3, 1980

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

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

Mr. R. H. Nordhausen  
Land Department  
El Paso Exploration Company  
P. O. Box 1492  
El Paso, Texas 79978

Re: Interzonal Communication.  
San Juan 27-5 Unit #42  
Pictured Cliffs - Mesaverde  
SW/4 of Section 22, T-27-N, R-5-W  
Rio Arriba County, New Mexico

Dear Mr. Nordhausen:

Unless a prior order allowing downhole commingling has been issued by the Division, we cannot approve your June 10th request. If there is no prior order, you may seek administrative approval for downhole commingling under Division Rule 303(C) or ask that the matter be set for hearing.

If you have any questions, please let me know.

Very truly yours,

ERNEST L. PADILLA  
General Counsel

ELP/dr

# State of New Mexico



## Commissioner of Public Lands

June 25, 1980

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

ALEX J. ARMIJO  
COMMISSIONER

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Re: San Juan 27-5 Unit  
Rio Arriba County, New Mexico  
SECOND AMENDMENT TO 1980 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your Second Amendment to the 1980 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico. Such amendment proposes to include Well # 25A in your 1980 Drilling Program. Our approval is subject to like approval by the USGS 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

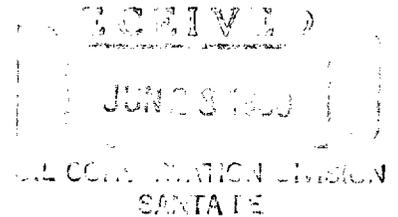
AJA/RDG/s  
encls.

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

June 17, 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

540  
For approval  
7/1/80  
E/P

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
SECOND AMENDMENT TO 1980 DRILLING PROGRAM

Gentlemen:

The 1980 Drilling Program for the San Juan 27-5 Unit which was submitted to you by our letter January 11, 1980 has been approved.

The amendment to said Drilling Program which was submitted to you by our letter of April 11, 1980 has also been approved.

Subsequent to the submittal of said letter of January 11, 1980 the necessary working interest owners approval was obtained to include Well #25A, a Pictured Cliffs - Mesaverde dual located on the W/2 of Section 3, on said Drilling Program. Accordingly El Paso Natural Gas Company, as Unit Operator, proposes that said Drilling Program be amended to include said well.

If this amendment 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,

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is written in a cursive style with a large, sweeping initial "D".

D. N. Canfield  
Attorney-in-Fact

DNC/RHN/en  
Attachments  
San Juan 27-5 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)

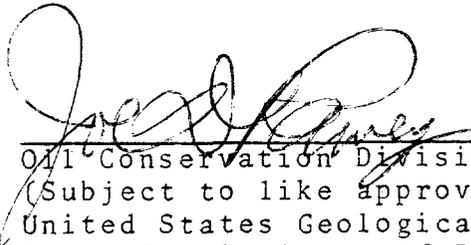
DATED: \_\_\_\_\_

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: 7/9/80

The foregoing approvals are for the amendment to the 1980  
Drilling Program for the San Juan 27-5 Unit #14-08-001-950,  
Rio Arriba County, New Mexico.

San Juan 27-5 Unit  
Working Interest Owners.

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown.

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Nickie G. Candelaria

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria  
Genevieve Candelaria, Personal Repr.  
of the Est. of Pablo Leopoldo Candelaria

Central National Bank & Trust Co.  
of Des Moines, Trustee under the Will  
of Gerald F. Harrington, Deceased

Mary Jone Chappell

Gas Producing Enterprises, Inc.

Mr. Sam Dazzo & Frances Joy Dazzo

Thomas Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Mr. F. Eugene Harrington

Mr. Gerald E. Harrington

Mr. James V. Harrington

Mr. T. H. Harrington

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Mrs. Cathrine M. Harvey

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Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Prop.

Mrs. Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation  
Farmington, New Mexico

(El Paso Exploration Co.)

PWG Partnership

Mr. H. O. Pool, Trustee of  
The H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

**El Paso** NATURAL GAS COMPANY RECEIVED

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

MINISTER  
OIL CONSERVATION DIVISION  
SANTA FE  
June 13, 1980

Area Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 26124  
Albuquerque, New Mexico 87125

540

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 amendment to the 1980 Drilling Program for the San Juan 27-5 Unit was approved by the regulatory bodies on the dates indicated:

<u>USGS</u>	<u>CPL</u>	<u>OCD</u>
5-2-80	5-6-80	5-29-80

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

RHN/en  
SJ 27-5 Unit, 3.0

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

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Flag-Redfern Oil Company

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Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation  
Farmington, New Mexico

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Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

**El Paso** EXPLORATION  
COMPANY

RECEIVED 540 ~~76~~  
JUN 13 1980  
OIL CONSERVATION DIVISION  
SANTA FE  
P. O. BOX 1492  
EL PASO, TEXAS 79978  
PHONE: 915-543-2600

June 10, 1980

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

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

Re: Interzonal Communication  
San Juan 27-5 Unit #42  
Pictured Cliffs - Mesaverde  
SW/4 of Section 22, T-27-N, R-5-W  
Rio Arriba County, New Mexico

Gentlemen:

Attached is a copy of our letter of November 21, 1979 re-  
garding the above. If you agree with the proposal set out  
in said letter we will appreciate you executing and return-  
ing one copy of said letter.

Very truly yours,



R. H. Nordhausen  
Senior Landman  
Land Department

RHN:ee  
Attachment

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

May 29, 1980

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 540  
San Juan 27-5 Unit  
Amendment to 1980  
Drilling Program

Gentlemen:

We hereby approve the Amendment to the 1980 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Amendment is returned herewith.

Yours very truly,

JOE D. RAMEY  
Director

JDR/EP/fd  
enc.

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

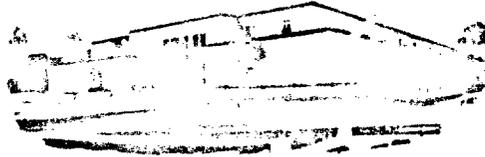
C

O

P

Y

State of New Mexico



Commissioner of Public Lands

ALEX J. ARMIJO  
COMMISSIONER

May 6, 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 27-5 Unit  
Rio Arriba County, New Mexico  
AMENDMENT TO 1980 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1980 Amended Plan of Development for the San Juan 27-5 Unit, Rio Arriba County, New Mexico. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the United States Geological Survey.

Enclosed is one approved copy for your records.

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

540



# United States Department of the Interior

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

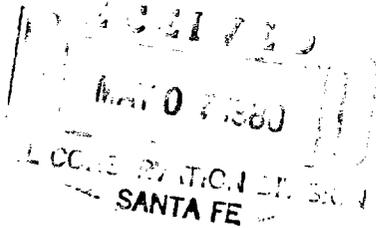
MAY 02 1980

El Paso Natural Gas Company  
Attention: D. N. Canfield  
P. O. Box 1492  
El Paso, Texas 79978

540

Gentlemen:

Three approved copies of your amendment to the 1980 plan of development for the San Juan 27-5 unit area, Rio Arriba County, New Mexico, are enclosed. Such amendment, proposing to delete wells No. 59-A and 59-E, and to add a dually completed well in the Mesaverde and Dakota formations, designated Well No. 59-M to be located at the 59-E location, and Well No. 86-E to be deleted and Well No. 86-M, a dually completed well in the Mesaverde and Dakota formations to be added to the program, 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

**El Paso** NATURAL GAS  
COMPANY

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

April 11, 1980

540

OK

EP

5/28/80

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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
Amendment to 1980 DRILLING PROGRAM

Gentlemen:

The 1980 Drilling Program for the San Juan 27-5 Unit which was submitted to you by our letter January 11, 1980 has been approved.

El Paso Natural Gas Company, as Unit Operator, proposes that said Drilling Program be amended as follows:

Well No. 59 A, a single completion Mesaverde well, and Well No. 59 E, a single completion Dakota well shall be deleted from the program and Well No. 59 M, a dual well to be completed from the Mesaverde and Dakota formations on the location for said Well No. 59 E shall be added to the program.

Well No 86 E, a single completion Dakota Well shall be deleted from the program and Well No. 86 M, a dual well to be completed from the Mesaverde and Dakota formations on the location for said Well No. 86 E shall be added to the program.

If this amendment 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

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is written in a cursive style with a large initial "D" and a long, sweeping underline.

D. N. Canfield  
Attorney-in-Fact

DNC/RHN/en  
Attachments  
San Juan 27-5 Unit, 3.0

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

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Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria  
Genevieve Candelaria, Personal Repr.  
of the Est. of Pablo Leopoldo Candelaria

Central National Bank & Trust Co.  
of Des Moines, Trustee under the Will  
of Gerald F. Harrington, Deceased

Mary Jone Chappell

Gas Producing Enterprises, Inc.

Mr. Sam Dazzo & Frances Joy Dazzo

Thomas Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Mr. F. Eugene Harrington

Mr. Gerald E. Harrington

Mr. James V. Harrington

Mr. T. H. Harrington

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Mrs. Cathrine M. Harvey

Mr. Ralph H. McCullough

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Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Prop.

Mrs. Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation  
Farmington, New Mexico

(El Paso Exploration Co.)

PWG Partnership

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The H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

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)

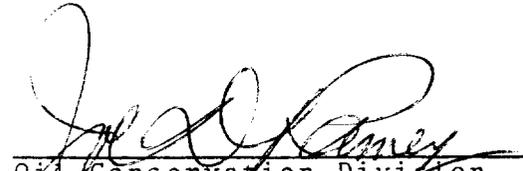
DATED: \_\_\_\_\_

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: 5/29/80

The foregoing approvals are for the amendment to the 1980  
Drilling Program for the San Juan 27-5 Unit #14-08-001-950,  
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: \_\_\_\_\_

The foregoing approvals are for the amendment to the 1980  
Drilling Program for the San Juan 27-5 Unit #14-08-001-950,  
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

500 ✓ } Copy 4/17  
005 }  
493 }  
098 }  
299 }

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,



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

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 20, 1980

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 540  
San Juan 27-5 Unit  
1980 Drilling Program

Gentlemen:

We hereby approve the 1980 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Yours very truly,

JOB D. RAMEY  
Director

JDR/EP/fd  
enc.

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

C  
O  
P  
Y



# United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124  
Albuquerque, New Mexico 87125

FEB 01 1980

540

El Paso Natural Gas Company  
Attention: Mr. D.N. Canfield  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

The 1980 plan of development submitted for the San Juan 27-5 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 Mesaverde well, nine Pictured Cliffs-Mesaverde dual wells, and four Dakota wells. Three approved copies are enclosed.

Sincerely yours,

(ORIG. SCD.) JAMES W. SUTHERLAND

Area Oil and Gas Supervisor, SRMA

Enclosure

cc: NMOCD, Santa Fe (ltr only)



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

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>
340 San Juan 27-5	1-17-79	1-10-79	1-11-79
San Juan 28-5	1-17-79	N/A	1-11-79
San Juan 28-7	1-17-79	1-10-79	1-11-79
San Juan 30-6	1-17-79	1-10-79	1-11-79
San Juan 32-9	1-17-79	1-10-79	1-16-79
Canyon Largo	1-17-79	1-10-79	1-11-79
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,



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 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
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Amoco Production  
Farmington, New Mexico

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Northwest Pipeline Corporation  
Farmington, New Mexico

(Northwest Production Corporation)

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Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
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The Wiser Oil Company

San Juan 27-5 Unit  
Working Interest Owners

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T. H. McElvain Oil & Gas Prop.

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Mrs. Ophelia C. Montoya

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Farmington, New Mexico

(Northwest Production Corporation)

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Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

State of New Mexico



Commissioner of Public Lands

January 21, 1980

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

ALEX J. ARMIJO  
COMMISSIONER

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

540

Re: San Juan 27-5 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 Drilling Program for the Year 1980, for the San Juan 27-5 Unit, Rio Arriba County, New Mexico. Such drilling program provides for the drilling of wells 5 A, 8 A, 24A, 25 A, 35 A, 52 A, 53 A, 56 A, 68 A, 59 A, 59 E, 78 E, 86 E, and 105 E, during 1980.

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

**El Paso** NATURAL GAS  
COMPANY

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

January 11, 1980

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 27-5 Unit #14-08-001-950  
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 27-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1979. This Program provided for the drilling of 4 Mesaverde wells. All of said wells were drilled to a depth sufficient to test the Mesaverde and in a manner whereby they could be dually completed as Pictured Cliffs/Mesaverde wells; all are presently waiting to be completed.

As of this date, the total number of wells in the San Juan 27-5 Unit is as follows:

Dual Pictured Cliffs/Mesaverde waiting on compl.	4
Pictured Cliffs	47
Mesaverde	23
Dual, Pictured Cliffs/Mesaverde	39
Dual, Mesaverde/Dakota	3
Dakota	68
Mesaverde, Non-commercial	1
Dakota, Non-commercial	1
	<u>186</u>

RECEIVED  
JAN 11 1980  
REGIONAL OIL AND GAS SUPERVISOR  
UNITED STATES GEOLOGICAL SURVEY  
DRAWER 1857  
ROSWELL, NEW MEXICO 88201

540

OK for approval  
EPP  
2/18/80

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Division  
Page Two

Pursuant to Section 10 of the San Juan 27-5 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 1980.

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
5 A	E/2 of Section 34	PC/MV
8 A	W/2 of Section 32	PC/MV
24 A	E/2 of Section 32	PC/MV
25 A	W/2 of Section 3	PC/MV
35 A	W/2 of Section 33	PC/MV
52 A	W/2 of Section 4	PC/MV
53 A	W/2 of Section 5	PC/MV
56 A	W/2 of Section 34	PC/MV
68 A	E/2 of Section 33	PC/MV
59 A	E/2 of Section 6	Mesaverde
59 E	E/2 of Section 6	Dakota
78 E	E/2 of Section 5	Dakota
86 E	S/2 of Section 9	Dakota
105 E	S/2 of Section 11	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.

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  
Attorney-in-Fact

DNC/RHN/sfg  
Attachments

San Juan 27-5 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)

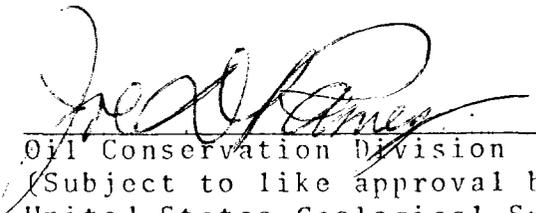
DATED: \_\_\_\_\_

APPROVED:

\_\_\_\_\_  
Commissioner of Public Lands  
(Subject to like approval by the  
United States Geological Survey  
& 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: 2/21/80

The foregoing approvals are for the 1980 Drilling Program for  
the San Juan 27-5 Unit, #14-08-001-950, Rio Arriba County,  
New Mexico.

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr. Ancilliary Executor  
of the Estate of William E. Alsup, Deceased

Amoco Production Company (3)  
Denver, Colorado

Amoco Production  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Nickie G. Candelaria

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria  
Genevieve Candelaria, Personal Repr.  
of the Est. of Pablo Leopoldo Candelaria

Central National Bank & Trust Co.  
of Des Moines, Trustee under the Will  
of Gerald F. Harrington, Deceased

Mary Jone Chappell

Gas Producing Enterprises, Inc.

Mr. Sam Dazzo & Frances Joy Dazzo

Thomas Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Mr. F. Eugene Harrington

Mr. Gerald E. Harrington

Mr. James V. Harrington

Mr. T. H. Harrington

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Mrs. Cathrine M. Harvey

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Prop.

Mrs. Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation  
Farmington, New Mexico

(El Paso Exploration Co.)

PWG Partnership

Mr. H. O. Pool, Trustee of  
The H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W. Brown

The Wiser Oil Company

**El Paso** NATURAL GAS  
COMPANY

RECEIVED  
JAN 11 1980  
P. O. BOX 1492  
EL PASO, TEXAS 79978  
PHONE: 915-543-2600

November 21, 1979

TO ALL WORKING INTEREST OWNERS AND ALL ROYALTY  
AND OVERRIDING ROYALTY INTEREST OWNERS IN THE  
SAN JUAN 27-5 UNIT

Re: Interzonal Communication  
San Juan 27-5 Unit #42  
Pictured Cliffs - Mesaverde  
SW/4 of Section 22, T-27-N, R-5-W  
Rio Arriba County, New Mexico

Gentlemen:

The subject well has communication between the producing zones. We have been directed by the Oil Conservation Division to take immediate action to return the well to compliance with state rules regulating dual completions.

Alternative procedures for complying with state regulations are as follows:

1. Repair leak and return well to production with zones isolated.
2. Downhole commingling of production.

We propose that application be made to the Oil Conservation Division to downhole commingle the production from the two zones and, if approved, that such procedure be performed at an estimated net cost of \$36,830.00. The allocation of the cost between the working interest owners of the two zones shall be determined pursuant to the terms of the Unit Operating Agreement.

In the application for downhole commingling, we will propose that the allocation of production between the Pictured Cliffs and Mesaverde be determined as follows:

1. Determine the Pictured Cliffs production and the Mesaverde production for January thru August, 1978. These are the eight months prior to the last packer leakage test which indicated no communication.
2. Total the production from both zones.

RECEIVED  
NOV 21 1979  
LAND DEPARTMENT  
SANTA FE

3. Divide the Pictured Cliffs production by the total production to determine a Pictured Cliffs percentage.
4. Divide the Mesaverde production by the total production to determine a Mesaverde percentage.
5. Multiply the post-workover production volumes by these percentages to determine the volume of gas produced from each zone.

This procedure will allocate 57% of the gas produced to the Pictured Cliffs and 43% of the gas produced to the Mesaverde formation.

If you agree with the above proposal, please sign and return one copy of this letter to this office.

If you are a Working Interest Owner, please execute and return one copy of the enclosed Well Cost Estimate form as well.

Very truly yours,



R. H. Nordhausen  
Senior Landman  
Land Department  
Exploration

APPROVED this \_\_\_\_\_ day  
of \_\_\_\_\_, 1979.

By: \_\_\_\_\_

RHN:pw  
Enclosure



# 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. 540*

Gentlemen:

Three approved copies of your 1979 plan of development for the San Juan 27-5 unit area, Rio Arriba County, ~~New~~ Mexico, proposing the drilling of four 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 (3)

cc:  
NMOCD, Santa Fe (1tr. only) ← This Copy for  
Com. Pub. Lands, Santa Fe (1tr. 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. 540  
San Juan 27-5 Unit  
1979 Drilling Program

Gentlemen:

We hereby approve the 1979 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Yours very truly,

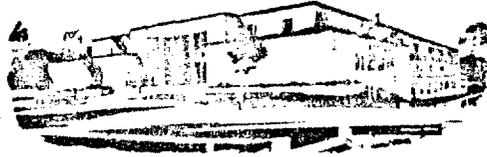
JOE D. RAMEY  
Director

JDR/LT/fd  
enc.

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

C  
O  
P  
Y

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. 540*

Re: San Juan 27-5 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 27-5 Unit, Rio Arriba County, New Mexico. Such plan provides for the drilling of four Mesaverde wells, namely Wells No. 21A, 60A, 61A and 64A. 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 (\$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. 540*

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1979 DRILLING PROGRAM

Gentlemen:

By letter dated October 5, 1978, El Paso Natural Gas Company, as Unit Operator of the San Juan 27-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1978. This Program provided for the drilling of no wells and none were drilled.

As of this date, the total number of wells in the San Juan 27-5 Unit is as follows:

Pictured Cliffs	47
Mesaverde	23
Dual, Pictured Cliffs/Mesaverde	39
Dual, Mesaverde/Dakota	3
Dakota	68
Mesaverde, Non-commercial	1
Dakota, Non-commercial	1
	<u>182</u>

1979

January 4, 1979

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Pursuant to Section 10 of the San Juan 27-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following Mesaverde wells during the calendar year 1979:

<u>Well No.</u>	<u>Location</u>
21A	E/2 Sec. 3, T-27-N, R-5-W
60A	E/2 Sec. 4, T-27-N, R-5-W
61A	E/2 Sec. 5, T-27-N, R-5-W
64A	W/2 Sec. 9, T-27-N, R-5-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.

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  
Director of Land  
Energy Resource Development

DNC:RHN:pw  
Attachments

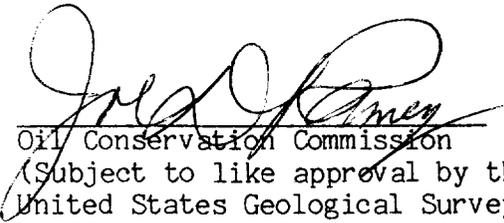
San Juan 27-5 Unit, 3.0

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: 1/11/79

The foregoing approvals are for the 1979 Drilling Program for the San Juan 27-5 Unit, #14-08-001-950, Rio Arriba County, New Mexico.

San Juan 27-5 Unit  
Working Interest Owners

Dorothy L. Abercrombie	Mr. James V. Harrington
Mr. J. R. Abercrombie	Mr. T. H. Harrington
William E. Alsup, Jr. Ancilliary Executor of the Estate of William E. Alsup, Deceased	Mr. Thomas H. Harrington
Amoco Production Company (3) Denver, Colorado	Col. Langdon Dewey Harrison
Amoco Production Farmington, New Mexico	Mrs. Cathrine M. Harvey
Mrs. Lela L. Barkley	Mr. Ralph H. McCullough
Mrs. Evelyn G. Brown	Mrs. Catherine B. McElvain
Mr. James A. Brown	Mr. T. H. McElvain, Jr.
Mr. Donald R. Candelaria	T. H. McElvain Oil & Gas Prop.
Mrs. Eulogia C. Candelaria	Mrs. Mabelle M. Miller
Nickie G. Candelaria	Mrs. Curzelia C. Montoya
Paul M. Candelaria	Mrs. Ophelia C. Montoya
Mr. J. Fidel Candelaria	Northwest Pipeline Corporation Farmington, New Mexico
Mr. Orlando Candelaria	(Northwest Production Corporation)
Mr. Pablo Leopoldo Candelaria	PWG Partnership
Central National Bank & Trust Co. of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased	Mr. H. O. Pool, Trustee of The H. O. Pool Trust
Mary Jone Chappell	Mr. Joe Quinn
Colorado Oil & Gas Corporation	Mr. James M. Raymond
Mr. Sam Dazzo & Frances Joy Dazzo	Mr. M. A. Romero
Thomas Dugan, et ux	Mrs. Mercedes Candelaria Skidmore
Flag-Redfern Oil Company	Mr. Robert P. Tinnin
General American Oil Company of Texas	Mrs. Evelyn Ellen Wallace & Mr. James A. Brown, Trustees under the Last Will & Testament of A. W. Brown
Mr. F. Eugene Harrington	The Wiser Oil Company
Mr. Gerald E. Harrington	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

October 18, 1978

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 540  
San Juan 27-5 Unit  
1978 Drilling Program

Gentlemen:

We hereby approve the 1978 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Very truly yours,

JOE D. RAMEY  
Director

JDR/LT/fd  
enc.

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

C  
O  
P  
Y



# United States Department of the Interior

## GEOLOGICAL SURVEY

P. O. Box 26124  
Albuquerque, New Mexico 87125

OCT 13 1978

El Paso Natural Gas Company  
Attention: Mr. D. N. Canfield  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Your 1978 Plan of Development for the San Juan 27-5 unit, Rio Arriba County, New Mexico, providing for the drilling of no wells during the calendar year 1978, was approved on this date subject to like approval of the appropriate State officials.

Our records show that the Dakota participating area for the San Juan 27-5 unit embraces the entire unit area, the Pictured Cliffs participating area embraces 80.70 percent of the unit area, and the Mesaverde participating area includes 90.43 percent of the unit area.

Three approved copies of the Plan of Development are enclosed.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SIEIA

Enclosures (3)

cc:  
NMOCD, Santa Fe (ltr. only) ← This Copy for  
Com. Pub. Lands, Santa Fe (ltr. only)

**El Paso** NATURAL GAS  
COMPANY

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

October 5, 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

*Approved*

*No. 540*

Re: San Juan 27-5 Unit #14-08-001-950  
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 27-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1977. This Program provided for the drilling of no wells and none were drilled.

As of this date, the total number of wells in the San Juan 27-5 Unit is as follows:

Pictured Cliffs	47
Mesaverde	23
Dual, Pictured Cliffs/Mesaverde	39
Dual, Mesaverde/Dakota	3
Dakota	68
Mesaverde, Non-commercial	1
Dakota, Non-commercial	1
	<u>182</u>

Pursuant to Section 10 of the San Juan 27-5 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

Regional Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

year 1978.

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.

Yours very truly,



D. N. Canfield  
Director of Land  
Energy Resource Development

DNC:RHN:paw  
Attachments

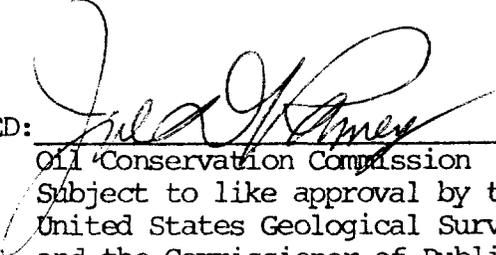
San Juan 27-5 Unit, 3.0

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: \_\_\_\_\_

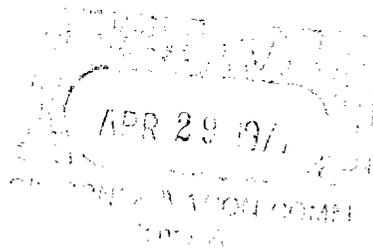
APPROVED:  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey  
and the Commissioner of Public Lands

DATE: 10/20/78

The foregoing approvals are for the proposed 1978 Drilling Program for the San Juan 27-5 Unit #14-08-001-950, Rio Arriba County, New Mexico.

April 28, 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

Gentlemen:

The 1977 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 27-5	4-4-77	3-8-77	3-30-77
San Juan 28-5	3-30-77	N/A	3-30-77
San Juan 28-7	3-30-77	3-8-77	3-30-77
San Juan 29-7	3-30-77	3-8-77	3-30-77
San Juan 30-6	3-30-77	3-8-77	3-30-77
Canyon Largo	3-30-77	3-8-77	3-30-77
Rincon	3-30-77	3-8-77	3-30-77

Copies of this letter are being sent to the working interest owners of the above units.

Very truly yours,

A handwritten signature in cursive script that reads "R. H. Nordhausen".

R. H. Nordhausen  
Senior Landman  
Land Department  
Energy Resource Development

RHN:sas

SJ 27-5, 3.0; SJ 28-5, 3.0; SJ 28-7, 3.0  
SJ 29-7, 3.0; Canyon Largo 3.0; Rincon 3.0



United States Department of the Interior

GEOLOGICAL SURVEY  
Conservation Division  
Western Bank Building  
505 Marquette, NW, Room 815  
Albuquerque, New Mexico 87102

APR 04 1977  
540

APR 04 1977

El Paso Natural Gas Company  
Attention: Mr. D. N. Canfield  
P.O. Box 1492  
El Paso, Texas 79978

Gentlemen:

On this date, your 1977 plan of development and operation for the San Juan 27-5 unit area, Rio Arriba County, New Mexico, wherein you propose no drilling was approved. Such approval is subject to like approval by the appropriate State officials.

Three approved copies are enclosed.

Sincerely yours,

(ORIG. SIGNED) JAMES W. SUTHERLAND

Area Oil and Gas Supervisor

Enclosure

CC:  
NMOCC, Santa Fe (1tr. only) ← This Copy for  
Com/ Pub. Lands, Santa Fe (1tr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 30, 1977

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1977 Drilling Program  
San Juan 27-5 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 no wells for the San Juan 27-5 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,

ADR/JEK/og

cc: United States Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico

C

O

P

Y

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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1977 DRILLING PROGRAM

Gentlemen:

By letter dated December 19, 1975, El Paso Natural Gas Company, as Unit Operator of the San Juan 27-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1976. This Program provided for the drilling of no wells and none were drilled.

As of this date, the total number of wells in the San Juan 27-5 Unit is as follows:

Pictured Cliffs	47
Mesaverde	23
Dual, Pictured Cliffs/Mesaverde	39
Dual, Mesaverde/Dakota	3
Dakota	68
Mesaverde, Non-commercial	1
Dakota, Non-commercial	1
	<u>182</u>

Regional Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

Pursuant to Section 10 of the San Juan 27-5 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 1977.

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.

Yours very truly,



D. N. Canfield  
Director of Land  
Energy Resource Development

DNC/DW/mb

Attachments

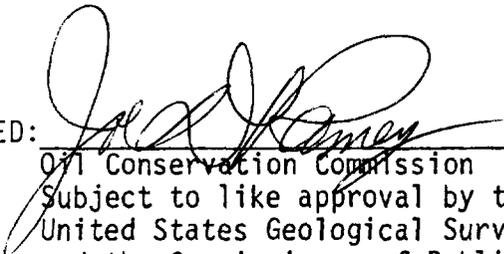
San Juan 27-5 Unit, 3.0

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 proposed 1977 Drilling Program for the San Juan 27-5 Unit #14-08-001-950, Rio Arriba County, New Mexico.

• SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mrs. Eulogia C. Candelaria, Guardian of  
Nickie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain, Individually  
& as Executrix of the Estate of T. H.  
McElvain, Deceased

Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation

• Northwest Production Corporation

Mr. H. O. Pool

Mr. Joe Quinn

PWG Partnership

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N. A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mrs. James  
A. Brown, Trustees under the Last  
Will & Testament of A. W. Brown

The Wiser Oil Company

Mr. & Mrs. Thomas Dugan

Flag-Redfern Oil Company



# United States Department of the Interior

GEOLOGICAL SURVEY

Western Bank Bldg., Room 815  
505 Marquette, NW  
Albuquerque, New Mexico 87102

RECEIVED  
JAN - 4 1977  
U.S. CONSERVATION COMMISSION  
Santa Fe

December 29, 1976

El Paso Natural Gas Company  
Attention: Mr. Don Wadsworth  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Your 1976 Plan of Development and Operation for the San Juan 27-5 unit area, Rio Arriba County, New Mexico, was received in this office on December 29, 1975. Such plan provided no additional development during the year. Our letter of May 28, 1976, requested justification for no additional development and several joint conversations and conferences followed during the balance of the year with no definitive conclusion.

Authority for continuation of operations within the unitized area is derived from an approved Plan of Development and Operations, pursuant to Section 10 of the unit agreement. Accordingly, this office hereby accepts your 1976 Plan for record purposes. As stated previously, the plan is considered less than adequate inasmuch as there appears to be one or more participating areas which are not fully developed within the unitized area and no tangible justification is provided for the absence of additional development drilling in those areas.

You are requested to submit a 1977 Plan of Development and Operation for the San Juan 27-5 unit within 60 days of the receipt of this letter. Such plan, in order to receive favorable consideration by this office, must contain a firm commitment for additional development drilling absent tangible documentation of full development of the unitized area.

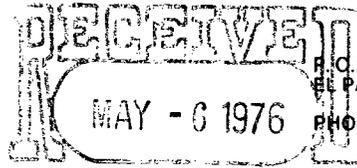
Sincerely yours,

JAMES W. SUTHERLAND  
Area Oil and Gas Supervisor

cc: Durango (w/cy plan) ← This Copy for  
NMOCC, Santa Fe  
Com. Pub. Lands, Santa Fe

JAGILLHAM:1m:122976

**El Paso** NATURAL GAS  
COMPANY



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

OIL CONSERVATION COMM.  
Santa Fe

May 4, 1976

Regional Oil & 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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS, Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 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 27-5 #173 well, located 1150' from the South line and 1700' from the East line of Section 9, Township 27 North, Range 5 West, N.M.P.M., was spudded on August 11, 1975, and completed on September 25, 1975, in the Pictured Cliffs Formation at a total depth of 4253'. The Pictured Cliffs Formation at the interval 4126', 4129', 4158', 4160', 4172', and 4174' was treated with a sand-water fracturing process on September 4, 1975. The well was shut-in on September 18, 1975 and after being shut-in for seven (7) days the well was tested on September 25, 1975, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 622 MCF/D through a 3/4" choke and 624 MCF/D by the calculated absolute open-flow method, with an SIPC of 1064 psia.

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

The spacing unit for this well is described as the E/2 of  
Section 9, Township 27 North, Range 5 West, containing 320.00  
acres.

The foregoing drilling block was included in the San Juan 27-5 Unit  
Twenty-Fourth (24th) Expanded Participating Area of the Pictured Cliffs  
Formation, effective December 1, 1973. Therefore, the Participating  
Area is not enlarged.

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

Yours very truly,



James R. Permenter  
Manager, Land Contracts & Titles  
Land Department  
Energy Resource Development

JRP:DW:nm  
SJ 27-5 Unit, 4.1.1  
Attachment

cc: Mr. Antonio Martinez

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mrs. Eulogia C. Candelaria, Guardian of  
Nickie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain, Individually  
& as Executrix of the Estate of T. H.  
McElvain, Deceased

Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation

Northwest Production Corporation

Mr. H. O. Pool

Mr. Joe Quinn

PMG Partnership

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N. A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mrs. James  
A. Brown, Trustees under the Last  
Will & Testament of A. W. Brown

The Wiser Oil Company

Mr. & Mrs. Thomas Dugan

Flag-Redfern Oil Company

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

54

January 8, 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 27-5 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 no wells for the San Juan 27-5 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  
Commissioner of Public Lands - Santa Fe

State of New Mexico

44  
TELEPHONE  
505-827-2748



PHIL R. LUCERO  
COMMISSIONER



Commissioner of Public Lands  
January 6, 1976

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: San Juan 27-5 Unit  
1976 DRILLING PROGRAM  
Rio Arriba County, New Mexico

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1976 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico. Such program proposes the drilling of no wells during the calendar year 1976.

In the future please submit Three (3) copies of your Plan of Development to this office. We shall retain two copies and return one approved copy to you.

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

PRL/RDG/s  
encl.  
cc:

USGS-Roswell, New Mexico  
OCC-Santa Fe, New Mexico

December 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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1976 DRILLING PROGRAM

Gentlemen:

By letter dated March 4, 1975, El Paso Natural Gas Company, as Unit Operator of the San Juan 27-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1975. This Program provided for the drilling of one (1) Pictured Cliffs well.

Pictured Cliffs well No. 173 was drilled and is currently being evaluated to determine if it will cause an expansion of the Pictured Cliffs Participating Area.

With the completion of the above-described well, the total number of wells in the San Juan 27-5 Unit is as follows:

Pictured Cliffs	47
Mesaverde	23
Dual, Pictured Cliffs- Mesaverde	39
Dual, Mesaverde-Dakota	3
Dakota	68
Mesaverde, Non-commercial	1
Dakota, Non-commercial	1
	<u>182</u>

Regional Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

Pursuant to Section 10 of the San Juan 27-5 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 1976.

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 desirable by the Unit Operator and the working interest owners.

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

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,



D. N. Canfield  
Director of Land  
Energy Resource Development

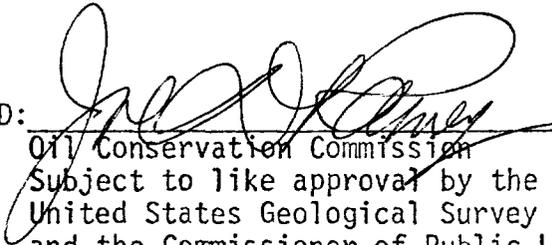
DNC:DW:nm  
Attachments  
San Juan 27-5 Unit, 3.0

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: January 8, 1976

The foregoing approvals are for the proposed 1976 Drilling Program for the San Juan 27-5 Unit #14-08-001-950, Rio Arriba County, New Mexico.

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mrs. Eulogia C. Candelaria, Guardian of  
Nickie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain, Individually  
& as Executrix of the Estate of T. H.  
McElvain, Deceased

Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation

Northwest Production Corporation

Mr. H. O. Pool

Mr. Joe Quinn

PWG Partnership

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank H. A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mrs. James  
A. Brown, Trustees under the Last  
Will & Testament of A. W. Brown

The Wiser Oil Company

Mr. & Mrs. Thomas Dugan

Flag-Redfern Oil Company

340

# El Paso Natural Gas Company

El Paso, Texas 79901

May 16, 1975

MAY 21 1975  
OIL CONSERVATION COMMISSION

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

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

Re: 1975 Drilling Programs

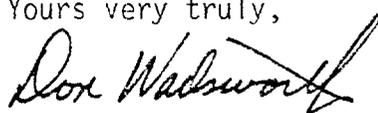
Gentlemen:

The 1975 Drilling Programs for the listed units were approved by the Regulatory Agencies on the dates indicated.

<u>Unit</u>	<u>DATE OF APPROVAL</u>		
	<u>USGS</u>	<u>OCC</u>	<u>CPL</u>
✓ San Juan 27-5	5-7-75	3-24-75	3-11-75
San Juan 28-5	5-7-75	3-24-75	--
San Juan 28-6	4-24-75	1-13-75	1-15-75
San Juan 28-7	4-24-75	1-27-75	1-23-75
San Juan 32-9	4-24-75	1-27-75	1-23-75
Allison	5-6-75	4-14-75	4-2-75
Canyon Largo	4-23-75	1-27-75	1-23-75

Copies of this letter are being sent to the working interest owners of the units.

Yours very truly,



Don Wadsworth  
Landman  
Land Department  
Energy Resource Development



# United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

May 7, 1975

340

El Paso Natural Gas Company  
Attention: Mr. D. N. Canfield  
P.O. Box 1492  
El Paso, Texas 79978

Gentlemen:

The 1975 plan of development submitted for the San Juan 27-5 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 no additional wells for 1975 with the exception of Pictured Cliffs well No. 173 which is being carried forward from the 1974 plan.

Three approved copies are enclosed.

Sincerely yours,

*[Faint signature]*

**CARL C. TRAYWICK**  
Acting Area Oil and Gas Supervisor

cc:  
✓NMOCC, Santa Fe (ltr only)  
Com. Pub. Lands, Santa Fe (ltr only)  
Durango (w/cy plan)

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

540

March 24, 1975

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1975 Drilling Program  
San Juan 27-5 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 providing for the drilling of a Pictured Cliffs well for the San Juan 27-5 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,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

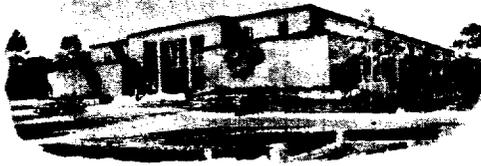
cc: United States Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico

C  
O  
P  
Y

State of New Mexico

TELEPHONE  
909-827-2748



Commissioner of Public Lands

March 11, 1975

PHIL R. LUCERO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

540

Re: San Juan 27-5 Unit  
Rio Arriba County, New Mexico  
1975 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1975 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico. This program proposes the drilling of no wells during the calendar year 1975, with the exception of well No. 173, which is being carried forward from the 1974 Drilling Program.

One approved copy of the plan is enclosed.

Please remit a three (\$3.00) dollar filing fee.

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

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

FRL/RDC/s  
encl.  
cc:

UBGS-Nowell, New Mexico  
OCC- Santa Fe, New Mexico ✓

ILLEGIBLE

# *El Paso Natural Gas Company*

*El Paso, Texas* 79978

March 4, 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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1975 DRILLING PROGRAM

Gentlemen:

By letter dated January 9, 1974, El Paso Natural Gas Company, as Unit Operator of the San Juan 27-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1974. This Program provided for the drilling of two (2) Dakota wells and seventeen (17) Pictured Cliffs wells. Each of these wells was timely drilled, with the exception of the numbers 173, 177, 178 and 185 wells.

Pictured Cliffs wells numbers 172, 174, 175, 176, 179, 180, 181, 182, 183, 184, 186, 187 and 188 were drilled within the existing Pictured Cliffs Participating Area; therefore, an Expansion of the Participating Area was not necessary. Dakota wells #189 and #190 were drilled within the Dakota Participating Area; consequently, they also did not cause an expansion of the Dakota Participating Area. Pictured Cliffs wells #162 and #171 were drilled in 1973 and caused the Twenty-Third and Twenty-Fourth expansions of the Pictured Cliffs Participating Area, respectively.

With the completion of the above-described wells, the total number of wells in the San Juan 27-5 Unit is as follows:

Regional Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

Pictured Cliffs	46
Mesaverde	23
Dual, Pictured Cliffs- Mesaverde	39
Dual, Mesaverde-Dakota	3
Dakota	68
Mesaverde, Non-commercial	1
Dakota, Non-commercial	1
	<u>181</u>

Pursuant to Section 10 of the San Juan 27-5 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 1975, with the exception of the following well which is being carried forward from the 1974 Drilling Program:

<u>Well No.</u>	<u>Spacing Unit</u>	<u>Formation</u>
173	E/2 Sec. 9, T-27-N, R-5-W	Pictured Cliffs

Pictured Cliffs wells numbers 177, 178 and 185, which were originally proposed in 1974, will not be drilled.

In addition to the above well, 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 desirable by the Unit Operator and the working interest owners.

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

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,

  
D. N. Canfield  
Director of Land  
Energy Resource Development

DNC:DW:km  
Attachments  
San Juan 27-5 Unit, 3.0

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

APPROVED: *A. L. Parter* DATE: *March 24, 1975*  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands

The foregoing approvals are for the proposed 1975 Drilling Program for the San Juan 27-5 Unit #14-08-001-950, Rio Arriba County, New Mexico.

• SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mrs. Eulogia C. Candelaria, Guardian of  
Nickie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain, Individually  
& as Executrix of the Estate of T. H.  
McElvain, Deceased

Mabelle M. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

Northwest Pipeline Corporation

Northwest Production Corporation

Mr. H. O. Pool

Mr. Joe Quinn

PMG Partnership

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N. A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mrs. James  
A. Brown, Trustees under the Last  
Will & Testament of A. W. Brown

The Wiser Oil Company

Mr. & Mrs. Thomas Dugan

Flag-Redfern Oil Company

State of New Mexico

540  
TELEPHONE  
505-827-2748



Commissioner of Public Lands

February 14, 1973

PHIL R. LUCERO  
COMMISSIONER

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 27-5 Unit  
Rio Arriba County, New Mexico  
TWENTY-THIRD AND TWENTY-FOURTH  
EXPANDED PARTICIPATING AREAS  
Pictured Cliffs Formation  
Effective November 1, 1973 and  
December 1, 1973 Respectively

ATTENTION: Mr. James R. Farmer

Gentlemen:

The Commissioner of Public Lands has this date approved the Twenty-Third and Twenty-Fourth Expanded Participating areas for the Pictured Cliffs Formation, for the San Juan 27-5 Unit, Rio Arriba County, New Mexico. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Enclosed is one approved copy for your files.

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

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

PRL/RDG/s

encl.

cc:

USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

540

# El Paso Natural Gas Company

El Paso, Texas 79978

February 7, 1975

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

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

Re: San Juan 27-5 Unit  
#14-08-001-950, Rio Arriba  
County, New Mexico  
TWENTY-THIRD AND TWENTY-FOURTH  
EXPANDED PARTICIPATING AREAS  
Pictured Cliffs Formation  
Effective November 1, 1973  
and December 1, 1973 respectively

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that two (2) additional wells capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-5 Unit #162 Well, located 1560' from the South line and 850' from the East line of Section 27, Township 27 North, Range 5 West, N.M.P.M., was spudded on June 9, 1973, and completed on October 24, 1973 in the Pictured Cliffs Formation at a total depth of 3432'. The Pictured Cliffs Formation, in the intervals between 3292'-3304', 3314'-3322', 3336'-3344', and 3356'-3368' was treated with a sand-water fracturing process on September 7, 1973. The well was shut-in on September 18, 1973, and after being shut-in for thirty-six (36) days the well was tested on October 24, 1973, and following a three (3)

---

hour blow-down period, the Pictured Cliffs Formation gauged 531 MCF/D through a 3/4" choke and 533 MCF/D by the calculated absolute open-flow method, with an SIPC of 896 psia. The spacing unit for this well is described as the E/2 of Section 27, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block is included in the San Juan 27-5 Unit Twenty-Third Expanded Participating Area of the Pictured Cliffs Formation, effective November 1, 1973.

The San Juan 27-5 Unit #171 Well, located 1040' from the South line and 1150' from the West line of Section 10, Township 27 North, Range 5 West, N.M.P.M., was spudded on August 20, 1973, and completed on November 1, 1973, in the Pictured Cliffs Formation at a total depth of 4304'. The Pictured Cliffs Formation in the intervals between 4164'-4184' and 4200'-4220' was treated with a sand-water fracturing process on September 22, 1973. The well was shut-in on October 15, 1973, and after being shut-in for seventeen (17) days the well was tested on November 1, 1973, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 626 MCF/D through a 3/4" choke and 628 MCF/D by the calculated absolute open-flow method, with an SIPC of 1068 psia. The spacing unit for this well is described as the W/2 of Section 10, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block is included in the San Juan 27-5 Unit Twenty-Fourth Expanded Participating Area of the Pictured Cliffs Formation, effective December 1, 1973.

The completion of the San Juan 27-5 Unit #172 Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the E/2 of Section 9, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Pictured Cliffs Participating Area effective December 1, 1973 and a well must be commenced on said intervening drilling block by December 1, 1974.

Attached hereto are Schedules XXIV and XXV showing the Twenty-Third and Twenty-Fourth Expanded Participating Areas for the Pictured Cliffs Formation in the San Juan 27-5 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 November 1, 1973 and December 1, 1973 respectively.

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;sas  
Attachments  
SJ 27-5, 4.1

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie	Mabelle M. Miller
Dr. W. E. Alsup	Mrs. Curzelia C. Montoya
Amoco Production Company (3) Denver, Colorado	Mrs. Ophelia C. Montoya
Amoco Production Company Farmington, New Mexico	Northwest Production Corporation
Mrs. Lela L. Barkley	Mr. H. O. Pool
Mrs. Evelyn G. Brown	Mr. Joe Quinn
Mr. James A. Brown	PWG Partnership
Mr. Donald R. Candelaria	Mr. M. A. Romero
Mrs. Eulogia C. Candelaria	Mrs. Mercedes Candelaria Skidmore
Mrs. Eulogia C. Candelaria, Guardian of Nickie G. Candelaria, a minor	Texas Commerce Bank N.A., Ancillary Guardian of the Estate of John L. Abercrombie
Paul M. Candelaria	Mrs. Evelyn Ellen Wallace and Mr. James A. Brown, Trustees under the Last Will and Testament of A. W. Brown
Mr. J. Fidel Candelaria	The Wiser Oil Company
Mr. Orlando Candelaria	Colorado Oil & Gas Corporation
Mr. Pablo L. Candelaria	Mr. R. P. Tinnin
Central National Bank & Trust Co. of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased	Northwest Pipeline Corporation
Mr. Sam Dazzo & Frances Joy Dazzo	Flag Redfern Oil Company
General American Oil Company of Texas	Thomas Dugan, et ux
Mr. Thomas H. Harrington	
Lt. Col. Langdon Dewey Harrison, Trustee	
Mr. Ralph H. McCullough	
Mrs. Catherine B. McElvain, Individually and as Executrix of the Estate of T. H. McElvain, Deceased	

# El Paso Natural Gas Company

El Paso, Texas 79978

October 28, 1974

Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88301

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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF  
ADDITIONAL WELLS,  
Dakota Formation

Gentlemen:

Pursuant to Section 11 (b) of the San Juan 27-5 Unit Agreement #14-08-001-950 approved on August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that two (2) additional wells capable of producing unitized substances in commercial quantities from the Dakota Formation have been completed upon acreage committed to the subject Unit. These wells are as follows:

The San Juan 27-5 Unit #189 well, located 1000 feet from the North line and 1740 feet from the East line of Section 32, Township 27 North, Range 5 West, N.M.P.M., was spudded on April 26, 1974, and completed on June 11, 1974, in the Dakota Formation at a total depth of 7684'. The Dakota Formation at the intervals 7440', 7512', 7548', 7590', 7602', 7623' and 7632' was treated with a sand-water fracturing process on June 1, 1974. The well was shut-in on June 3, 1974, and after being shut-in for eight (8) days the well was tested on June 11, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 713 MCF/D through a 3/4" choke and 713 MCF/D by the calculated absolute open-flow

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

method, with an SIPC of 2127 psia and an SIPT of 2127 psia. The spacing unit for this well is described as the E/2 of Section 32, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Twenty-fourth Expanded Participating Area of the Dakota Formation, effective November 1, 1973. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 Unit #190 well, located 1180 feet from the North line and 1080 feet from the East line of Section 25, Township 27 North, Range 5 West, N.M.P.M., was spudded on May 8, 1974, and completed on September 27, 1974, in the Dakota Formation at a total depth of 7935'. The Dakota Formation at the intervals 7690', 7714', 7780', 7830' and 7898' was treated with a sand-water fracturing process on June 5, 1974. The well was shut-in on June 7, 1974, and after being shut-in for one hundred twelve (112) days the well was tested on September 27, 1974, and following a three (3) hour blow-down period, the Dakota Formation gauged 5404 MCF/D through a 3/4" choke and 5661 MCF/D by the calculated absolute open-flow method, with an SIPC of 3087 psia and an SIPT of 2062 psia. The spacing unit for this well is described as the E/2 of Section 25, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Eighteenth Expanded Participating Area of the Dakota Formation, effective June 1, 1971. Therefore, the Participating Area is not enlarged.

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

Yours very truly,



James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:DW:km  
San Juan 27-5 Unit 4.3.1

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

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mr. Eulogia C. Candelaria, Guardian  
of Nickie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain,  
Individually & as Executrix of the  
Estate of T. H. McElvain, Deceased

Mr. Forrest B. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

N.B.S. Corporation

Northwest Pipeline Corporation

Northwest Production Corporation

PWG Partnership

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N.A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mr. James A.  
Brown, Trustees under the Last Will  
& Testament of A. W. Brown

The Wiser Oil Company

# El Paso Natural Gas Company

El Paso, Texas 79978

September 11, 1974

Regional Oil & 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 27-5 Unit  
Pictured Cliffs Formation  
Notice of Completion of  
Additional Wells  
Rio Arriba County, New Mexico

Gentlemen:

Please refer to our Notice of Completion of Additional Wells dated September 10, 1974. The location of the San Juan 27-5 #184 Well was incorrectly described as being 1750' from the South line and 850' from the West line. The description should have read 1750' from the North line and 850' from the West line of Section 25.

Please correct your copy to reflect this change.

Yours very truly,



Don Wadsworth  
Landman  
Land Department  
Energy Resource Development

DW:sn  
S.J. 27-5 4.1.1

# El Paso Natural Gas Company

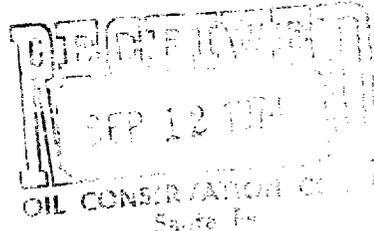
El Paso, Texas 79918

September 10, 1974

Regional Oil & 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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS, Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that seven (7) 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 27-5 #159 well, located 1450' from the South line and 790' from the East line of Section 35 Township 27 North, Range 5 West, N.M.P.M., was spudded on October 25, 1973, and completed on June 14, 1974 in the Pictured Cliffs Formation at a total depth of 4142'. The Pictured Cliffs Formation in the intervals between 4040'-4060' and 4094'-4108' was treated with a sand-water fracturing process on April 29, 1974. The well was shut-in on June 4, 1974 and after being shut-in for ten (10) days the well was tested on June 14, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 398 MCF/D through a 3/4" choke and 399 MCF/D by the calculated absolute open-flow method, with an SIPC of 715 psia. The spacing unit for this well is described as the E/2 of Section 35, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Third Expanded Participating Area of the Pictured Cliffs Formation, effective July 1, 1957. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 #160 well, located 1800' from the North line and 1500' from the West line of Section 31, Township 27 North, Range 5 West, N.M.P.M., was spudded on September 15, 1973, and completed on December 10, 1973, in the Pictured Cliffs Formation at a total depth of 3340'. The Pictured Cliffs Formation in the intervals between 3258'-3270', 3280'-3296' and 3308'-3320' was treated with a sand-water fracturing process on November 15, 1973. The well was shut-in on November 27, 1973, and after being shut-in for thirteen (13) days the well was tested on December 10, 1973, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1648 MCF/D through a 3/4" choke and 1684 MCF/D by the calculated absolute open-flow method, with an SIPC of 1023 psia. The spacing unit for this well is described as the W/2 of Section 31, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Seventeenth Expanded Participating Area of the Pictured Cliffs Formation, effective January 1, 1961. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 #172 well, located 850' from the North line and 1150' from the East line of Section 34, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 29, 1974, and completed on May 22, 1974, in the Pictured Cliffs Formation at a total depth of 3472'. The Pictured Cliffs Formation in the intervals between 3328'-3348', 3358'-3368', and 3386'-3410' was treated with a sand-water fracturing process on May 2, 1974. The well was shut-in on May 14, 1974, and after being shut-in for eight (8) days the well was tested on May 22, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 547 MCF/D through a 3/4" choke and 549 MCF/D by the calculated absolute open-flow method, with an SIPC of 759 psia. The spacing unit for this well is described as the E/2 of Section 34, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Twenty-second Expanded Participating Area of the Pictured Cliffs Formation, effective September 1, 1973. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 #176 well, located 1170' from the North line and 1800' from the East line of Section 8, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 5, 1974, and completed on July 23, 1974, in the Pictured Cliffs Formation at a total depth of 3565'. The Pictured Cliffs Formation in the intervals between 3436'-3448', and 3460'-3484' was treated with a sand-water fracturing process on May 23, 1974. The well was shut-in on June 11, 1974, and after being shut-in for forty-two (42) days the well was tested on July 23, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 2190 MCF/D through a 3/4" choke and 2281 MCF/D by the calculated absolute open-flow method, with an SIPC of 1094 psia. The spacing unit for this well is described as the E/2 of Section 8, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Nineteenth Expanded Participating Area of the Pictured Cliffs Formation, effective December 1, 1961. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 #184 well, located 1750' from the South line and 850' from the West line of Section 25, Township 27 North, Range 5 West, N.M.P.M., was spudded on April 16, 1974, and completed on May 31, 1974, in the Pictured Cliffs Formation at a total depth of 3528'. The Pictured Cliffs Formation in the intervals between 3424'-3436' and 3474'-3484' was treated with a sand-water fracturing process on May 2, 1974. The well was shut-in on May 21, 1974, and after being shut-in for ten (10) days the well was tested on May 31, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 178 MCF/D through a 3/4" choke and 178 MCF/D by the calculated absolute open-flow method, with an SIPC of 762 psia. The spacing unit for this well is described as the W/2 of Section 25, Township 27 North, Range 5 West, containing 320.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Seventh Expanded Participating Area of the Pictured Cliffs Formation, effective October 1, 1958. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 #186 well, located 1140' from the North line and 800' from the West line of Section 18, Township 27 North, Range 5 West, N.M.P.M., was spudded on February 27, 1974, and completed on June 11, 1974, in the Pictured Cliffs Formation at a total depth of 3322'. The Pictured Cliffs Formation in the intervals between 3206'-3222', and 3246'-3266' was treated with a sand-water fracturing process on May 23, 1974. The well was shut-in on May 30, 1974, and after being shut-in for twelve

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Four

(12) days the well was tested on June 11, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 614 MCF/D through a 3/4" choke and 619 MCF/D by the calculated absolute open-flow method, with an SIPC of 667 psia. The spacing unit for this well is described as Lots 1,2,3,4 E/2 W/2 (W/2) of Section 18, Township 27 North, Range 5 West, containing 321.08 acres.

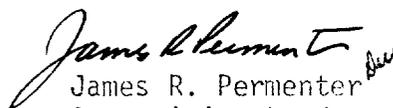
The foregoing drilling block was included in the San Juan 27-5 Unit Tenth Expanded Participating Area of the Pictured Cliffs Formation, effective May 1, 1959. Therefore, the Participating Area is not enlarged

The San Juan 27-5 #188 well, located 800' from the North line and 1180' from the West line of Section 30, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 27, 1974 and completed on May 22, 1974, in the Pictured Cliffs Formation at a total depth of 3242'. The Pictured Cliffs Formation in the intervals between 3080'-3098', 3126'-3132' and 3142'-3148' was treated with a sand-water fracturing process on May 7, 1974. The well was shut-in on May 9, 1974, and after being shut-in for thirteen (13) days the well was tested on May 22, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 665 MCF/D through a 3/4" choke and 669 MCF/D by the calculated absolute open-flow method, with an SIPC of 859 psia. The spacing unit for this well is described as Lots 1,2,3,4 E/2 W/2 (W/2) of Section 30, Township 27 North, Range 5 West, containing 320.11 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Sixth Expanded Participating Area of the Pictured Cliffs Formation, effective August 1, 1958. Therefore, the Participating Area is not enlarged.

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

Yours very truly,



James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:DW:sn  
Attachment  
S.J. 27-5 Unit 4.1.1

cc: Mr. Antonio Martinez  
New Mexico Oil & Gas  
Accounting Commission

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Aisup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mrs. Eulogia C. Candelaria, Guardian of  
Nikkie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain, Individually  
& as Executrix of the Estate of T. H.  
McElvain, Deceased

Mr. Forrest B. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

N.B.S. Corporation

Northwest Pipeline Corporation

Northwest Production Corporation

Mr. H. O. Pool

Mr. Joe Quinn

PWG Partnership

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N. A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mrs. James  
A. Brown, Trustees under the Last  
Will & Testament of A. W. Brown

The Wiser Oil Company

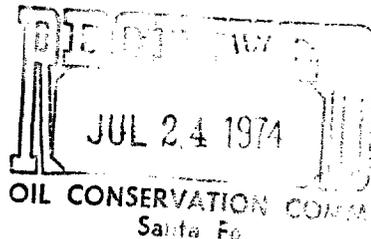
5 24

# El Paso Natural Gas Company

El Paso, Texas 79978

July 22, 1974

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 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 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 27-5 Unit #158 Well, located 850' from the South line and 1680' from the East line of Section 25, Township 27 North, Range 5 West, N.M.P.M., was spudded on November 4, 1973 and completed on June 14, 1974 in the Pictured Cliffs Formation at a total depth of 4144'. The Pictured Cliffs Formation in the intervals between 3966'-3976', 3986'-3996', 4008'-4020' was treated with a sand-water fracturing process on April 29, 1974. The well was shut-in on June 4, 1974, and after being shut-in for ten (10) days the well was tested on June 14, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 2235 MCF/D through a 3/4" choke and 2470 MCF/D by the calculated absolute open-flow method, with an SIPC of 747 psia. The spacing unit for this well is described as the E/2 of Section 25, Township 27 North, Range 5 West, containing 320.00 acres, for Unit purposes.

Regional Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

The foregoing drilling block was included in the San Juan 27-5 Unit Eighth Expanded Participating Area of the Pictured Cliffs Formation, effective November 1, 1958, as a result of the completion of the San Juan 27-5 Unit #32 Well. Therefore, the Participating Area is not enlarged.

Copies of this letter are being sent to the working interest owners of the San Juan 27-5 Unit shown on the attached sheet.

Yours very truly,



James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:TS:lj  
SJ 27-5 Unit 4.1.1

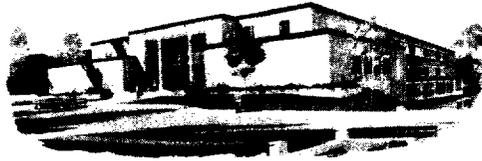
cc: Mr. Antonio Martinez  
Executive Director  
New Mexico Oil and Gas Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie	Mr. Forrest B. Miller
Dr. W. E. Alsup	Mrs. Curzelia C. Montoya
Amoco Production Company (3) Denver, Colorado	Mrs. Ophelia C. Montoya
Amoco Production Company Farmington, New Mexico	NBS Corporation
Mrs. Lela L. Barkley	Northwest Pipeline Corporation
Mrs. Evelyn G. Brown	Northwest Production Corporation
Mr. James A. Brown	Mr. H. O. Pool
Mr. Donald R. Candelaria	Mr. Joe Quinn
Mrs. Eulogia C. Candelaria	PWG Partnership
Mrs. Eulogia C. Candelaria, Gdn. of Nickie G. Candelaria, a minor	Mr. M. A. Romero
Paul M. Candelaria	Mrs. Mercedes Candelaria Skidmore
Mr. Orlando Candelaria	Texas Commerce Bank N.A., Ancillary Gdn. of the Estate of John L. Abercrombie
Mr. Pablo Leopoldo Candelaria	Mr. Robert P. Tinnin
Central National Bank & Trust Co. of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased	Mrs. Evelyn Ellen Wallace & Mr. James A. Brown, Trustees under the Last Will & Testament of A. W. Brown
Colorado Oil & Gas Corporation	The Wiser Oil Company
Mr. Sam Dazzo & Frances Joy Dazzo	Mrs. Catherine B. McElvain, Individually and as Executrix of the Estate of T. H. McElvain, Deceased
General American Oil Company of Texas	
Mr. Thomas H. Harrington	
Lt. Col. Langdon Dewey Harrison	
Mr. Ralph H. McCullough	

State of New Mexico

TELEPHONE  
505-827-2748



Commissioner of Public Lands

July 19, 1974

ALEX J. ARMIJO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: San Juan 27-5 Unit  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS, Pictured Cliffs Formation

ATTENTION: Mr. Terry Srsen

Gentlemen:

Your notice of July 16, 1974, advises that El Paso Natural Gas Company as unit operator of the San Juan 27-5 unit agreement, Rio Arriba County, New Mexico, has determined unit wells No. 174, 175, 179, 180, 181, 182, 183 and 187 of being capable of producing unitized substances in paying quantities from the Pictured Cliffs formation. Your notice reflects that the acreage dedication on each well has been corrected from 160.00 acres to 320.00 acres, more or less.

We concur with your determination and we have this date filed your notice in lieu of the ones previously filed with this office.

Our concurrence is subject to like concurrence by the United States Geological Survey.

Enclosed are two (2) copies surplus to our need.

Very truly yours,

RAY D. GRAHAM, Director  
Oil and Gas Department

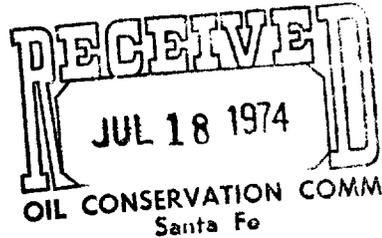
AJA/RDG/s  
encls.  
cc:

USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas 79978

July 16, 1974



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 27-5 Unit #14-08-001-950,  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS, Pictured Cliffs Formation

Gentlemen:

Herewith resubmitted for your approval is a notification of additional Pictured Cliffs wells in the referenced Unit. The acreage dedication on each well has been corrected from 160.00 to 320.00 acres, more or less.

Yours very truly,

A handwritten signature in cursive script that reads "Terry Srsen".

Terry Srsen  
Landman, Land Department  
Energy Resource Development

TS:lj  
Attachments  
SJ 27-5 4.1.1

cc: Mr. Antonio Martinez  
New Mexico Oil and Gas Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501

# El Paso Natural Gas Company

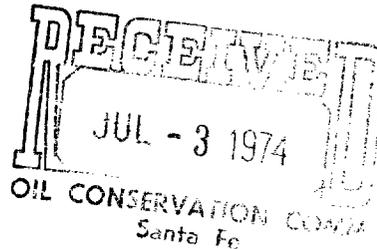
El Paso, Texas 79978

June 28, 1974

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 27-5 Unit #14-08-001-950, Rio Arriba County, New Mexico, NOTICE OF COMPLETION OF ADDITIONAL WELLS, Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(B) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 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 27-5 Unit #174 well, located 1150' from the North line and 1750' from the West line of Section 7, Township 27 North, Range 5 West, N.M.P.M., was spudded on February 28, 1974 and completed on June 11, 1974, in the Pictured Cliffs Formation in the interval between 3404'-3428', was treated with a sand-water fracturing process on May 23, 1974. The well was shut-in on May 30, 1974. After being shut-in for 12 days, the well was tested on June 11, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 2188 MCF/D through a 3/4" choke and 2293 MCF/D by the calculated absolute open-flow method, with an SIPC of 1017 psia. The spacing unit for this well is described as the W/2 of Section 7, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

The completion of this well as a commercial well will not cause an expansion of the Participating Area since this acreage was initially brought into the Participating Area under the Tenth Expansion, Pictured Cliffs Formation, effective May 1, 1959.

The San Juan 27-5 Unit #175 well, located 1650' from the South line and 850' from the East line of Section 7, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 1, 1974 and completed on June 11, 1974, in the Pictured Cliffs Formation in the interval between 3398'-3416', was treated with a sand-water fracturing process on May 23, 1974. The well was shut-in on May 30, 1974. After being shut-in for 12 days, the well was tested on June 11, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1630 MCF/D through a 3/4" choke and 1674 MCF/D by the calculated absolute open-flow method, with an SIPC of 995 psia. The spacing unit for this well is described as the E/2 of Section 7, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

The completion of this well as a commercial well will not cause an expansion of the Participating Area since this acreage was initially brought into the Participating Area under the Tenth Expansion, Pictured Cliffs Formation, effective May 1, 1959.

The San Juan 27-5 Unit #180 well, located 1460' from the South line and 1500' from the West line of Section 17, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 7, 1974 and completed on June 11, 1974, in the Pictured Cliffs Formation in the interval between 3218'-3228', was treated with a sand-water fracturing process on May 7, 1974. The well was shut-in on May 21, 1974. After being shut-in for 21 days, the well was tested on June 11, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 915 MCF/D through a 3/4" choke and 926 MCF/D by the calculated absolute open-flow method, with an SIPC of 832 psia. The spacing unit for this well is described as the W/2 of Section 17, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

The completion of this well as a commercial well will not cause an expansion of the Participating Area since this acreage was initially brought into the Participating Area under the Sixteenth Expansion, Pictured Cliffs Formation, effective December 1, 1960.

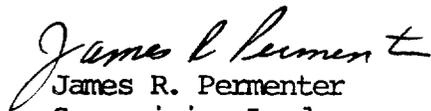
United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Three

The San Juan 27-5 Unit #182 well, located 1600' from the North line and 1500' from the East line of Section 23, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 26, 1974 and completed on June 11, 1974, in the Pictured Cliffs Formation in the intervals between 3358'-3370', 3396'-3426', was treated with a sand-water fracturing process on May 2, 1974. The well was shut-in on May 21, 1974. After being shut-in for 21 days, the well was tested on June 11, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 868 MCF/D through a 3/4" choke and 873 MCF/D by the calculated absolute open-flow method, with an SIPC of 1080 psia. The spacing unit for this well is described as the E/2 of Section 23, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

The completion of this well as a commercial well will not cause an expansion of the Participating Area since this acreage was initially brought into the Participating Area under the Ninth Expansion, Pictured Cliffs Formation, effective April 1, 1959.

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:TS:sn  
Attachment  
S.J. 27-5, 4.1.1

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mr. Eulogia C. Candelaria, Guardian  
of Nickie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain,  
Individually & as Executrix of the  
Estate of T. H. McElvain, Deceased

Mr. Forrest B. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

N.B.S. Corporation

Northwest Pipeline Corporation

Northwest Production Corporation

PWG Partnership

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N.A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mr. James A.  
Brown, Trustees under the Last Will  
& Testament of A. W. Brown

The Wiser Oil Company

Mr. James A. Brown

# El Paso Natural Gas Company

El Paso, Texas 79978

June 25, 1974

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 27-5 Unit #14-08-  
001-950, Rio Arriba County,  
New Mexico, NOTICE OF COMPLE-  
TION OF ADDITIONAL WELLS,  
Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that four 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 27-5 Unit #187 well, located 1750' from the North line and 1620' from the West line of Section 19, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 8, 1974, and completed on May 22, 1974, in the Pictured Cliffs Formation in the intervals between 3108'-3118', 3128'-3138', and 3148'-3160' was treated with a sand-water fracturing process on May 7, 1974. The well was shut-in on May 13, 1974. After being shut-in for 9 days, the well was tested on May 22, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1039 MCF/D through a 3/4" choke and 1058 MCF/D by the calculated absolute open-flow method, with an SIPC of 759 psia. The spacing unit for this well is described as the W/2 of Section 19, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

The foregoing drilling block was included in the San Juan 27-5 Unit Ninth Expanded Participating Area of the Pictured Cliffs Formation, effective April 1, 1959, as a result of the completion of the San Juan 27-5 Unit #48 (PM) well. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 Unit #183 well, located 800' from the North line and 800' from the West line of Section 24, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 25, 1974 and completed on May 21, 1974 in the Pictured Cliffs Formation in the intervals between 3400'-3412' and 3522'-3546' was treated with a sand-water fracturing process on May 2, 1974. The well was shut-in on May 13, 1974. After being shut-in for 8 days, the well was tested on May 21, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1377 MCF/D through a 3/4" choke and 1400 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 W/2 of Section 24, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Ninth Expanded Participating Area of the Pictured Cliffs Formation, effective April 1, 1959, as a result of the completion of the San Juan 27-5 Unit #43 (PM) well. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 Unit #181 well, located 1730' from the North line and 1010' from the West line of Section 23, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 26, 1974, and completed on May 21, 1974 in the Pictured Cliffs Formation in the intervals between 3330'-3346', 3358'-3370', and 3382'-3398' was treated with a sand-water fracturing process on May 2, 1974. The well was shut-in on May 13, 1974. After being shut in for 8 days, the well was tested on May 21, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1042 MCF/D through a 3/4" choke and 1052 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 W/2 of Section 23, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Ninth Expanded Participating Area of the Pictured Cliffs Formation, effective April 1, 1959, as a result of the completion of the San Juan 27-5 Unit #43 (PM) well. Therefore, the Participating Area is not enlarged.

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Three

The San Juan 27-5 Unit #179 well, located 1600' from the South line and 1180' from the East line of Section 17, Township 27 North, Range 5 West, N.M.P.M., was spudded on March 6, 1974, and completed on May 22, 1974, in the Pictured Cliffs Formation in the interval between 3250'-3270', was treated with a sand-water fracturing process on May 7, 1974. The well was shut-in on May 13, 1974. After being shut-in for 9 days, the well was tested on May 22, 1974, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 1508 MCF/D through a 3/4" choke and 1549 MCF/D by the calculated absolute open-flow method, with an SIPC of 909 psia. The spacing unit for this well is described as the E/2 of Section 17, Township 27 North, Range 5 West, N.M.P.M., containing 160.00 acres.

The foregoing drilling block was included in the San Juan 27-5 Unit Second Expanded Participating Area of the Pictured Cliffs Formation, effective June 1, 1957, as a result of the completion of the San Juan 27-5 Unit #26 (PM) well. Therefore, the Participating Area is not enlarged.

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

Yours very truly,



James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:TS:sn  
S.J. 27-5, 4.1.1

cc: Mr. Antonio Martinez  
New Mexico Oil & Gas  
Accounting Commission

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mr. Eulogia C. Candelaria, Guardian  
of Nickie G. Candelaria, a minor

Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank & Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain,  
Individually & as Executrix of the  
Estate of T. H. McElvain, Deceased

Mr. Forrest B. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

N.B.S. Corporation

Northwest Pipeline Corporation

Northwest Production Corporation

PWG Partnership

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N.A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace & Mr. James A.  
Brown, Trustees under the Last Will  
& Testament of A. W. Brown

The Wiser Oil Company

Mr. James A. Brown

# El Paso Natural Gas Company

El Paso, Texas 79978

March 21, 1974

546

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 88201

Re: San Juan 27-5 Unit #14-08-001-950, Rio  
Arriba County, New Mexico, APPLICATION  
FOR APPROVAL OF THE TWENTY-THIRD  
AND TWENTY-FOURTH EXPANDED PARTI-  
CIPATING AREAS OF THE DAKOTA FORMA-  
TION, Effective September 1, 1973 and  
November 1, 1973, respectively

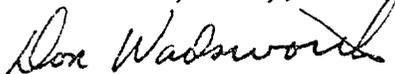
Gentlemen:

The Twenty-third and Twenty-fourth Expanded Participating Areas for the referenced Unit were approved by the Regulatory Agencies on the dates indicated:

United States Geological Survey - March 12, 1974  
Commissioner of Public Lands - February 22, 1974  
Oil Conservation Commission - February 28, 1974

Copies of this letter are being sent to the working interest owners of the above described Unit.

Yours very truly,



Don Wadsworth  
Landman, Land Department  
Energy Resource Development

DW:lj  
SJ 27-5 4.3

cc: Mr. Antonio Martinez



# United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

March 18, 1974

El Paso Natural Gas Company  
Attention: Mr. Don Wadsworth  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Your letter of March 11, 1974, requests the return of all copies of your February 22, 1974, non-commercial determinations for Pictured Cliffs well Nos. 162 and 171 in the San Juan 27-5 unit area, Rio Arriba County, New Mexico. Such request is in recognition of the protests which have been filed in response to these determinations and you now wish additional time to observe the producing ability of these wells before re-submitting your determinations.

All copies of your Notice of Completion of Non-Commercial Wells, dated February 22, 1974, are returned herewith and a copy of this letter is being sent to all parties which have filed a protest to such notice of non-commercial determination.

Sincerely yours,

(ORIG. COPY DESTROYED)

CARL C. TRAYNECK  
Acting Area Oil and Gas Supervisor

cc:  
PWG Partnership  
Attention: Mr. Frank D. Gorham, Jr.  
P. O. Box 451  
Albuquerque, New Mexico 87103

Central National Bank and Trust Co.  
Attention: Mr. Larry M. Peterson  
Locust at Sixth Avenue  
Des Moines, Iowa 50304

Mr. T. H. Harrington  
P. O. Box 4026, Station A  
Albuquerque, New Mexico 87106

Amoco Production Company  
Attention: Mr. H. T. Hunter  
Security Life Building  
Denver, Colorado 80202

N.M.O.C.C., Santa Fe ✓  
Com. of Pub. Lands, Santa Fe

JAG:lh

**ILLEGIBLE**



# United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

540  
March 12, 1974

El Paso Natural Gas Company  
Attention: Mr. James R. Permenter  
P. O. Box 1492  
El Paso, Texas 79999

Gentlemen:

Your application of February 15, 1974, requesting approval of the twenty-third and twenty-fourth revisions of the Dakota participating area for the San Juan 27-5 unit agreement, Rio Arriba County, New Mexico, was approved on March 12, 1974, by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of September 1, 1973, and November 1, 1973, respectively.

The twenty-third revision adds 320 acres described as the E $\frac{1}{4}$  of sec. 31, T. 27 N., R. 5 W., N.M.P.M., thereby enlarging the Dakota participating area to 21,723.99 acres and is based on the completion of unit well No. 166 located in the NE $\frac{1}{4}$  of section 31. Such well was completed on September 10, 1973, for a calculated absolute open flow potential of 3,097 MCFGPD from the Dakota interval from 7,286 feet to 7,486 feet.

The twenty-fourth revision adds 1,280 acres described as all of section 32, the S $\frac{1}{4}$  of section 33, and the S $\frac{1}{4}$  of section 34, all in T. 27 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 23,003.99 acres. Such revision is based on unit wells Nos. 167, 169, and 170 located in the SW $\frac{1}{4}$  of sec. 32, SW $\frac{1}{4}$  of sec. 33, and the SW $\frac{1}{4}$  of sec. 34, respectively. Well No. 167 was completed on November 9, 1973, for a calculated absolute open flow potential of 2,832 MCFGPD from the Dakota interval from 7,440 feet to 7,620 feet. Well No. 169 was completed on November 9, 1973, for a calculated absolute open flow potential of 2,352 MCFGPD from the Dakota interval from 7,398 feet to 7,582 feet. Well No. 170 was completed on November 2, 1973, for a calculated absolute open flow potential of 3,136 MCFGPD from the Dakota interval from 7,454 feet to 7,650 feet.

Copies of the approved application are being distributed to the appropriate Federal offices, and three approved copies are being 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,

CARL C. TRAYWICK

cc:  
Durango (w/cy of appln.)  
BLM, Santa Fe (ltr. only)  
N.M.O.C.C., Santa Fe (ltr. only) ✓

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

RESbook:1h

# El Paso Natural Gas Company

540

El Paso, Texas 79978

March 11, 1974

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 27-5 Unit  
Notice of Completion of  
Non-Commercial Wells

Gentlemen:

In response to the recent protest letters dated February 27 and February 28, 1974 addressed to the above addresses from Frank D. Gorham, Jr. and T. H. Harrington, respectively, El Paso Natural Gas Company has decided to re-evaluate the production status of the San Juan 27-5 Unit #162 and #171 Pictured Cliffs wells. We will observe production from the subject wells for an additional 60-90 days and will then submit another decision on their status.

Please return to us all copies of our Notice of Completion of Non-Commercial Wells dated February 27, 1974, covering the subject wells.

Yours very truly,



Don Wadsworth  
Landman, Land Department  
Energy Resource Development

JRP:lj  
SJ 27-5 4.1

cc: All Pictured Cliffs Participating  
Area Working Interest Owners



**Amoco Production Company**

Security Life Building  
Denver, Colorado 80202

P. J. Early  
Division Production  
Manager  
H. T. Hunter  
Assistant Division  
Production Manager  
W. M. Jones  
T. M. Curtis  
District Superintendents

March 6, 1974

File: DGW-107-416

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  
Sante Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Sante Fe, New Mexico 87501

Gentlemen:

Re: Completion Notice San Juan 27-5 Unit, Well No. 171  
Rio Arriba County, New Mexico

By letter dated February 22, 1974 El Paso Natural Gas Co., operator of the referenced unit, submitted a notice of completion for Unit Wells No. 162 and 171, concluding that they were not capable of producing unitized substances in paying quantities from the Pictured Cliffs formation.

Amoco Production Company, as 100% owner of the drilling block upon which Well No. 171 is located, being the W/2 Section 10-T27N-R5W, strongly objects to El Paso's determination. Analysis of logs obtained during drilling of this well, early production performance, and performance of nearby wells with similar pay zones all indicate a strong probability that Well No. 171 will in fact be commercial and that an expansion of the participating area is therefore necessary. We believe the Unit Operator's determination in this matter was premature and unsupported by the facts available.

March 6, 1974  
File: DGW-107-416  
Page 2

Well No. 171 logged 74 feet of gross sand between 4158' and 4232' including at least 58' above 8% porosity. Initial production in December 1973 averaged 263 MCFD for 15 days. The nearest unit producer, Well No. 38 in the NE/4 Sec. 16, has produced over 900 MMCF during the past 15 years and the initial shut-in pressure at Wells 38 and 171 was almost identical, approximately 1,070 psia. All of these facts are characteristic of a commercial producer and Amoco therefore recommends Well No. 171 be declared commercial and the Pictured Cliffs Participating Area be expanded to include the W/2 Section 10-T27N-R5W.

Yours very truly,

Original Signed By  
M. T. HUNTER

cc: El Paso Natural Gas Co.  
El Paso Texas 79978  
Attn: Mr. J. R. Permenter

CJB:keb

L-06,07

CENTRAL NATIONAL BANK  
AND TRUST COMPANY

*Located at Sixth Avenue / Des Moines, Iowa 50304 / Area Code 515 - 249 5191*

DEPARTMENT

March 4, 1974

Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, NM 88201

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

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

Re: FORMAL PROTEST  
San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
Notice of Completion of Noncommercial Wells  
Pictured Cliffs Formation  
El Paso Natural Gas Company Letter  
Dated February 22, 1974

Gentlemen:

Central National Bank and Trust Company of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased, the owner of 16 2/3 per cent of the working interest under the east half of Section 27, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, upon which the San Juan 27-5 Unit #162 well was drilled by El Paso Natural Gas Company as operator, strongly OBJECTS and hereby submits its FORMAL PROTEST to the Director, the Commissioner, and the Commission as to the determination by El Paso Natural Gas Company that the 27-5 Unit #162 well is not capable of producing unitized substances in paying quantities.

Central National Bank and Trust Company of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased, contends that El Paso's determination is highhanded, capricious, self-serving, and without merit and that such determination is not in accord with their determination in previous instances where El Paso was the working interest owner and where they declared the wells capable of producing in paying quantities. In the past and under the older and lower gas prices then in effect, El Paso had determined that wells owned by them with well cost payout in excess of eighteen years were capable of producing in paying quantities, and such determinations were upheld by the United States Geological Survey and all responsible parties.

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
March 4, 1974  
Page - 2 -

Central National Bank and Trust Company of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased, as a small working interest owner in the San Juan Basin and in the 27-5 Unit, respectfully requests that El Paso be required to present the data which supports their determination and that Central National Bank and Trust Company of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased, be granted an opportunity to present its data showing why the well should be ruled as capable of producing in paying quantities in a formal hearing before the proper parties.

In conclusion, the Central National Bank and Trust Company of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased, strongly protests the conclusion by El Paso that the subject well is not commercial since such determination is NOT in keeping with their prior determinations and, should such determination be upheld, that it would be discriminatory and unfair. In addition, the Central National Bank and Trust Company of Des Moines, Trustee under the Will of Gerald F. Harrington, Deceased, believes that it can be shown that under current prices the subject well is capable of producing in paying quantities. Should the Director, the Commissioner, and the Commission uphold the determination of El Paso, they will discourage the future development of the San Juan Basin by the small independent operator and will discourage the development of additional gas reserves which the State of New Mexico and this nation so vitally need.

Respectfully submitted,

Central National Bank and Trust Company of  
Des Moines, Trustee under the Will of Gerald F.  
Harrington, Deceased

BY:

  
Larry M. Peterson  
Trust Officer

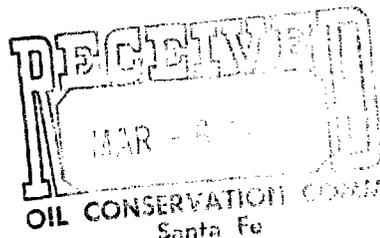
LMP:cb/05

cc: Mr. Antonio Martinez  
Executive Director  
New Mexico Oil & Gas Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501

Mr. James R. Permenter  
Supervision Landman  
El Paso Natural Gas Company  
El Paso, Texas 79978

Mr. Thomas H. Harrington  
P.O. Box 4026, Station A  
Albuquerque, New Mexico 87106

February 28, 1974



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: FORMAL PROTEST  
San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
Notice of Completion of Noncommercial Wells  
El Paso Natural Gas Company Letter  
Dated February 22, 1974

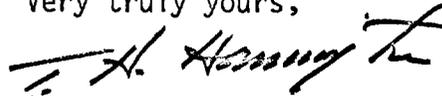
Gentlemen:

As the owner of 16 2/3 per cent of the working interest under the east half of Section 27, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, upon which the San Juan 27-5 Unit #162 well was drilled by El Paso Natural Gas Company as operator, I object and hereby submit formal protest to the Director, the Commissioner, and the Commission as to the determination by El Paso Natural Gas Company that the 27-5 Unit #162 well is not capable of producing unitized substances in paying quantities.

In the past and under lower gas prices then in effect, El Paso has determined that wells owned by them with well cost payout in excess of eighteen years were capable of producing in paying quantities, and such determinations were upheld by the United States Geological Survey and all responsible parties.

As a small working interest owner in the San Juan Basin and in the 27-5 Unit, I request that El Paso be required to present the data which supports their determination and that the working interest owners be granted an opportunity to present data showing why the well should be ruled as capable of producing in paying quantities in a formal hearing before the proper parties.

Very truly yours,



T. H. Harrington  
P. O. Box 4026, Station A  
Albuquerque, New Mexico 87106

THH/sm

cc: Mr. Antonio Martinez  
Executive Director  
New Mexico Oil & Gas Accounting Commission

Mr. James R. Permenter  
Supervision Landman  
El Paso Natural Gas Company

Central National Bank & Trust Co. of Des Moines  
Trustee under the Will of Gerald F. Harrington, Deceased

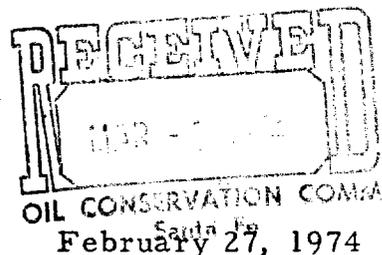
P.W.G. Partnership  
P. O. Box 451  
Albuquerque, New Mexico 87103

FRANK D. GORHAM, JR.

*Petroleum Consultant*

SUITE 1219, SIMMS BUILDING  
POST OFFICE BOX 451  
ALBUQUERQUE, NEW MEXICO 87108

TELEPHONE: (505) 843-6149



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: FORMAL PROTEST  
San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
Notice of Completion of Noncommercial Wells  
Pictured Cliffs Formation  
El Paso Natural Gas Company Letter  
Dated February 22, 1974

Gentlemen:

PWG Partnership, the owner of 66 2/3 per cent of the working interest under the east half of Section 27, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, upon which the San Juan 27-5 Unit #162 well was drilled by El Paso Natural Gas Company as operator, strongly OBJECTS and hereby submits its FORMAL PROTEST to the Director, the Commissioner, and the Commission as to the determination by El Paso Natural Gas Company that the 27-5 Unit #162 well is not capable of producing unitized substances in paying quantities.

PWG Partnership contends that El Paso's determination is high-handed, capricious, self-serving, and without merit and that such determination is not in accord with their determination in previous instances where El Paso was the working interest owner and where they declared the wells capable of producing in paying quantities. In the past and under the older and lower gas prices then in effect, El Paso has determined that wells owned by them with well cost payout in excess of eighteen years were capable of producing in paying quantities, and such determinations were upheld by the United States Geological Survey and all responsible parties.

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
February 27, 1974  
Page 2

PWG Partnership, as a small working interest owner in the San Juan Basin and in the 27-5 Unit, respectfully requests that El Paso be required to present the data which supports their determination and that PWG Partnership be granted an opportunity to present its data showing why the well should be ruled as capable of producing in paying quantities in a formal hearing before the proper parties.

In conclusion, the PWG Partnership strongly protests the conclusion by El Paso that the subject well is not commercial since such determination is NOT in keeping with their prior determinations and, should such determination be upheld, that it would be discriminatory and unfair. In addition, the PWG Partnership believes that it can show that under current prices the subject well is capable of producing in paying quantities. Should the Director, the Commissioner, and the Commission uphold the determination of El Paso, they will discourage the future development of the San Juan Basin by the small independent operator and will discourage the development of additional gas reserves which the State of New Mexico and this nation so vitally need.

Respectfully submitted,

PWG PARTNERSHIP



Frank D. Gorham, Jr.  
Managing Partner

FDGJr:t

cc Mr. Antonio Martinez  
Executive Director  
New Mexico Oil & Gas Accounting Commission

Mr. James R. Permenter  
Supervision Landman  
El Paso Natural Gas Company

Central National Bank & Trust Co. of Des Moines  
Trustee under the Will of Gerald F. Harrington, Deceased

Mr. Thomas H. Harrington

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO 87501**

540

February 28, 1974

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: Mr. James R. Permenter

Re: Twenty-third and Twenty-Fourth Expanded  
Dakota Participating Areas, San Juan  
27-5 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 and Twenty-fourth expanded participating areas for the Dakota formation for the San Juan 27-5 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, and two approved copies are returned to the Commissioner of Public Lands.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

U. S. Geological Survey  
Roswell, New Mexico

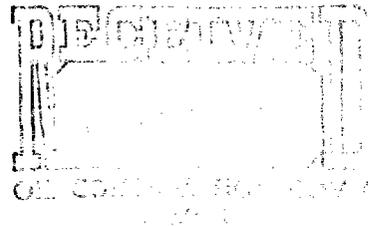
COPY

54

# El Paso Natural Gas Company

El Paso, Texas 79999  
February 15, 1974

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



Re: San Juan 27-5 Unit 14-08-001-95  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
TWENTY-THIRD AND TWENTY-FOURTH  
EXPANDED PARTICIPATING AREAS,  
Dakota Formation, Effective  
September 1, 1973 and November 1,  
1973, respectively

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Twenty-third and Twenty-fourth Expanded Participating Areas of the Dakota Formation for one 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 files, 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  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:DW:mcv  
Enclosures  
S.J. 27-5, 4.3  
NM-2012, NM-4347

cc: Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

COPY

# El Paso Natural Gas Company

El Paso, Texas 79978

February 15, 1974

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 27-5 Unit #14-08-001-950,  
Rio Arriba County, New Mexico,  
APPLICATION FOR APPROVAL OF THE  
TWENTY-THIRD AND TWENTY-FOURTH  
EXPANDED PARTICIPATING AREAS,  
Dakota Formation, Effective  
September 1, 1973 and November 1, 1973,  
respectively.

Gentlemen:

Pursuant to Section 11(b) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved on August 31, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Twenty-third and Twenty-fourth Expanded Participating Areas for the Dakota formation, to wit:

TWENTY-THIRD EXPANDED PARTICIPATING AREA - Effective September 1, 1973

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 27 North, Range 5 West, N.M.P.M.</u> Section 31: E/2	320.00

This proposed Twenty-third Revision of the Participating Area for the Dakota formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the following Dakota well, which was completed outside the limits of the existing Dakota Participating Area, prove these lands to be capable of producing unitized substances in paying quantities from the Dakota formation, and brings such lands into participation on an inference basis. Production from this well

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

was also observed for a number of months, which further served to substantiate the commerciality thereof. This well is as follows:

The San Juan 27-5 Unit #166 well, located 1160' from the North line and 1635' from the East line of Section 31, Township 27 North, Range 5 West, N.M.P.M., was spudded on July 17, 1973, and completed on September 10, 1973, in the Dakota formation at a total depth of 7556'. The Dakota formation in the intervals between 7286', 7288', 7394', 7396', 7442', 7462' and 7486', was treated with a sand-water fracturing process on August 30, 1973. The well was shut-in on September 1, 1973, and after being shut-in for nine (9) days the well was tested on September 10, 1973, and following a three hour blow-down period, the Dakota formation gauged 2986 MCF/D through a 3/4" choke and 3097 MCF/D by the calculated absolute open-flow method, with an SIPC of 2684 psia and an SIPT of 1223 psia. The spacing unit for this well is described as the E/2 of Section 31, Township 27 North, Range 5 West, containing 320.00 acres.

TWENTY-FOURTH EXPANDED PARTICIPATING AREA - Effective November 1, 1973

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 27 North, Range 5 West, N.M.P.M.</u>	
Section 32: A11	640.00
Section 33: S/2	320.00
Section 34: S/2	320.00
	<u>1280.00</u>

This proposed Twenty-Fourth Revision of the Participating Area for the Dakota formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the following Dakota wells, which were completed outside the limits of the existing Dakota Participating Area, prove these lands to be capable of producing unitized substances in paying quantities from the Dakota formation, and brings such lands into participation on an inference basis. Production from these wells was also observed for a number of months, which further served to substantiate the commerciality thereof. These wells are as follows:

The San Juan 27-5 Unit #167 well, located 1460' from the South line and 990' from the West line of Section 32, Township 27 North, Range 5 West, N.M.P.M., was spudded on September 3, 1973, and completed on November 9, 1973, in the Dakota formation at total depth of 7651'. The Dakota formation in the intervals 7440', 7542', 7548', 7574', 7582' and 7620' was treated with a sand-water fracturing process on October 17, 1973. The well was shut-in on October 19, 1973, and after being shut-in for twenty-one (21) days the well was tested on November 9, 1973, and following a three (3) hour blow-down period, the Dakota formation gauged 2732 MCF/D through a 3/4" choke and 2832 MCF/D by the calculated absolute open-flow method, with an SIPC of 2652 psia and an SIPT of 2622 psia. The spacing unit for this well is described as the W/2 of Section 32, Township 27 North, Range 5 West, containing 320.00 acres.

The San Juan 27-5 Unit #169 well, located 900' from the South line and 840' from the West line of Section 33, Township 27 North, Range 5 West, N.M.P.M., was spudded on September 16, 1973, and completed on November 9, 1973, in the Dakota formation at a total depth of 7653'. The Dakota formation in the intervals 7398', 7425', 7440', 7509', 7518', 7552' and 7582' was treated with a sand-water fracturing process on October 14, 1973. The well was shut-in on October 16, 1973, and after being shut-in for twenty-four (24) days the well was tested on November 9, 1973, and following a three (3) hour blow-down period, the Dakota formation gauged 2269 MCF/D through a 3/4" choke and 2352 MCF/D by the calculated absolute open-flow method, with an SIPC of 2551 psia and an SIPT of 1307 psia. The spacing unit for this well is described as the S/2 of Section 33, Township 27 North, Range 5 West, containing 320.00 acres.

The San Juan 27-5 Unit #170 well, located 1840' from the South line and 825' from the West line of Section 34, Township 27 North, Range 5 West, N.M.P.M., was spudded on August 4, 1973, and completed on November 2, 1973, in the Dakota formation at a total depth of 7690'. The Dakota formation in the intervals 7454', 7456', 7524', 7560', 7562', 7606', 7638', and 7650' was treated with a sand-water fracturing process on October 11, 1973. The well was shut-in on October 13, 1973, and after being shut-in for twenty (20) days the well was tested on November 2, 1973, and following a three (3) hour blow-down period, the Dakota formation gauged 3043 MCF/D through a 3/4" choke and 3136 MCF/D by the calculated absolute open-flow method, with an SIPC of 2662 psia and an SIPT of 1966 psia. The spacing unit for this well is described as the S/2 of Section 34, Township 27 North, Range 5 West, containing 320.00 acres.

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Four

In support of these applications, the following listed Exhibits are made a part hereof:

EXHIBIT "A"

Ownership maps reflecting the boundaries of the Unit and the proposed Twenty-third and Twenty-fourth Expanded Participating Areas of the Dakota formation within the San Juan 27-5 Unit.

EXHIBIT "B"

Geological Report on the Twenty-third and Twenty-fourth Expanded Participating Areas of the Dakota formation within the San Juan 27-5 Unit.

EXHIBIT "C"

Plate No. 1: San Juan 27-5 Dakota Structure Map  
Plate No. 2: San Juan 27-5 Dakota Isopach Map

EXHIBIT "D"

Table 1: Schedule of San Juan 27-5 Unit Dakota production and deliverability.

Attached hereto are Schedules XXIV and XXV showing the proposed Twenty-third and Twenty-fourth Expanded Participating Areas for the Dakota formation in the San Juan 27-5 Unit Area. These Schedules describe the Participating Areas, show the percentages of unitized substances allocated to each unitized tract, and the percentages of ownership in the tracts.

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

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Five

Copies of this letter and the Schedule 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:mcv  
Enclosures  
S.J. 27-5, 4.3  
NM-2102, NM-4347

cc: Mr. Antonio Martinez  
Executive Director  
New Mexico Oil & Gas Accounting Commission

APPROVED: \_\_\_\_\_  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED: Alfred J. Amigo  
Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey and  
the Oil Conservation Commission

DATE: February 22, 1974

APPROVED: A. L. Ruiz  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands

DATE: February 28, 1974

The foregoing approvals are for the Application for Approval of the Twenty-third and Twenty-fourth Expanded Participating Area, San Juan 27-5 Unit, #14-08-001-950, Rio Arriba County, New Mexico.

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. J. R. Abercrombie

Dr. W. E. Alsup

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Donald R. Candelaria

Mrs. Eulogia C. Candelaria

Mrs. Eulogia C. Candelaria, Guardian  
of Nickie G. Candelara, a minor

Mr. Paul M. Candelaria

Mr. J. Fidel Candelaria

Mr. Orlando Candelaria

Mr. Pablo Leopoldo Candelaria

Central National Bank and Trust Co. of  
Des Moines, Trustee under the Will of  
Gerald F. Harrington, Deceased

Colorado Oil & Gas Corporation

Mr. Sam Dazzo & Frances Joy Dazzo

General American Oil Company of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain, Individually  
and as Executrix of the Estate of T. H.  
McElvain, Deceased

Mr. Forrest B. Miller

Mrs. Curzelia C. Montoya

Mrs. Ophelia C. Montoya

N.B.S. Corporation

Northwest Pipeline Corporation

Northwest Production Corporation

Mr. H. O. Pool

PWG Partnership

Mr. Joe Quinn

Mr. M. A. Romero

Mrs. Mercedes Candelaria Skidmore

Texas Commerce Bank N.A., Ancillary  
Guardian of the Estate of John L.  
Abercrombie

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A. W.  
Brown

The Wiser Oil Company