

# El Paso Natural Gas Company

El Paso, Texas  
December 6, 1963

Mr. John A. Arderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
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 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 #93 Well, located 890' from the South line and 1800' from the East line of Section 31, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on October 4, 1963, and completed on October 16, 1963, in the Pictured Cliffs Formation at a total depth of 3356'. The Pictured Cliffs Formation in the interval between 3219' - 3235', was treated with a sand-water fracturing process on October 16, 1963. The well was completed as a tubingless completion on October 16, 1963, and the Pictured Cliffs Formation was shut-in on October 22, 1963. After being shut-in for thirteen (13) days, the Pictured Cliffs Formation was tested on November 4, 1963, and following a three (3) hour blow-down period gauged 2591 MCFGPD through a 3/4" choke and 2751 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1051 psia. The committed drilling block upon which this well is located is described as the E/2 of Section 31, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

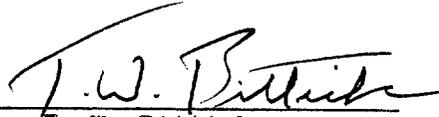
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1961 DTG 11:01 AM 1-1-61  
The foregoing drilling block was included in the San Juan 27-5-Unit Nineteenth Expanded Participating Area of the Pictured Cliffs Formation, effective December 1, 1961, as a result of the completion of the San Juan 27-5 Unit No. 67 (PM) Well. Therefore, the Participating Area is not enlarged.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
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Rye, New York

Mr. Pablo L. Candelaria, Executor of the  
Estate of Pablo Candelaria, Deceased  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
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Albuquerque, New Mexico

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Individually and as Executrix of  
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Santa Fe, New Mexico

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P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation  
P. O. Box 1796  
El Paso, Texas

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Attention: Mr. T. M. Curtis  
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Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

SAN JUAN 27-5 UNIT  
Working Interest Owners - Page 2

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Rincon Oil & Gas Corp.  
1126 Mercantile Securities Building  
Dallas 1, Texas

RECORDED 11 24 1959

# El Paso Natural Gas Company

El Paso, Texas

June 25, 1963

340

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
THIRD EXPANDED PARTICIPATING AREA,  
Dakota Formation, Effective  
December 1, 1962

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Gentlemen:

The above captioned Expansion was approved by the regulatory bodies on the following listed dates:

1. United States Geological Survey on June 7, 1963.
2. Commissioner of Public Lands on April 17, 1963.
3. Oil Conservation Commission on April 9, 1963.

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

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

540

Drawer 1857  
Roswell, New Mexico

June 18, 1963

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your application of April 1, 1963, for approval of the third revision of the Dakota participating area for the San Juan 27-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-950 was approved on June 7, 1963, by the Acting Director, U. S. Geological Survey, effective as of December 1, 1962.

One approved copy of the application is enclosed. You are requested to furnish the State of New Mexico and any other interested party with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

- cc: Washington (ltr. only)
- BLM, Santa Fe (w/cy appln.)
- Farmington (w/cy appln.)
- N.M.O.C.C., Santa Fe (ltr. only)
- Com. of Pub. Lands (ltr. only)

**ILLEGIBLE**

# El Paso Natural Gas Company

El Paso, Texas

June 17, 1963

540

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
REVISED 1963 DRILLING PROGRAM

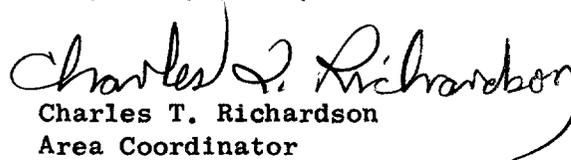
Gentlemen:

The Revised 1963 Drilling Program for the San Juan 27-5 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - May 8, 1963
2. Commissioner of Public Lands - May 1, 1963
3. Oil Conservation Commission - June 6, 1963

Copies of this letter are being sent to all the working interest owners of the San Juan 27-5 Unit.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:ag

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

543

June 6, 1963

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

Attention: Mr. Sam Smith

Re: Revised 1963 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 Revised 1963 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 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/ig

cc: Commissioner Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

El Paso Natural Gas Company

540

El Paso, Texas

May 16, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
AMENDED 1962 DRILLING PROGRAM  
AND 1963 DRILLING PROGRAM

Gentlemen:

The Amended 1962 Drilling Program and the 1963 Drilling Program for the San Juan 27-5 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 8, 1963
2. Commissioner of Public Lands - February 13, 1963
3. Oil Conservation Commission - May 2, 1963

Copies of this letter are being sent to all the working interest owners of the San Juan 27-5 Unit.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js

Drawer 1857  
Roswell, New Mexico

May 8, 1963

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

Attention: Mr. Sam Smith

Gentlemen:

Your revised 1963 plan of development dated April 25, 1963, for the San Juan 27-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Pictured Cliffs well in the NE¼ sec. 31, T. 27 N., R. 5 W., N.M.P.M., has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

[Orig. Sgd.] JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC-Santa Fe (ltr. only) ✓  
Com. of Pub. Lands - Santa Fe (ltr. only)

El Paso Natural Gas Company

540

1938 MAY 10 AM 10 19

El Paso, Texas

May 2, 1963

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

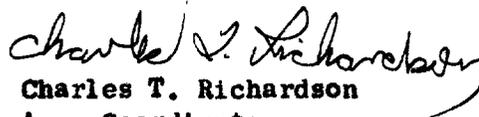
Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Enclosed for your information and files is a copy of the above captioned Notice of Completion of Additional Well, covering the San Juan 27-5 Unit #84 Well located in the SW/4 of Section 3, Township 27 North, Range 5 West, Rio Arriba County, New Mexico.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js  
Enclosure

SJ 27-5, 4.3

COPY

May 1, 1963

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

Re: Revised 1963 Drilling Program  
San Juan 27-5 Unit Area  
Rio Arriba County, New Mexico

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands has approved as of May 1, 1963, your revised 1963 Drilling Program for San Juan 27-5 Unit.

This revision provides for the drilling of one (1) Pictured Cliffs well during the 1963 Calendar Year.

We are returning one approved copy of this Program.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

BSW/mar/v

encl:

cc: U. S. Department of Interior  
Geological Survey  
Roswell, New Mexico  
Attention: Mr. John A. Anderson

Oil Conservation Commission  
Santa Fe, New Mexico

ILLEGIBLE

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

540

May 1, 1963

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

Attention: Mr. Sam Smith

Re: Amended 1962 Drilling Program  
and 1963 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 Amended 1962 Drilling Program and 1963 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 of the State of New Mexico.

One approved copy of the programs is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/JEK/ig

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

ILLEGIBLE

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Y

# El Paso Natural Gas Company

El Paso, Texas

APR 29 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota 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 date set out below that one additional well capable of producing unitized substances from the Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #84 Well, located 790' from the South line and 1825' from the West line of Section 3, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on September 6, 1962, and completed on October 7, 1962, in the Dakota Formation at a total depth of 7919'. The Dakota Formation in the intervals between 7644' - 7650', 7700' - 7706', 7746' - 7752', 7830' - 7836' was treated with a sand-water fracturing process on October 1, 1962. The well was shut-in on November 6, 1962, and after being shut-in for gauge for nine (9) days, the well was tested on November 15, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged 1334 MCFGPD through a 3/4" choke, and 1394 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1743 psia and an SIPT of 2029 psia.

El Paso Natural Gas Company, as Unit Operator, believes that the initial potential of the well is inconclusive at this time for the purpose of making a commercial or non-commercial determination and Unit Operator plans to wait until sufficient production data has been accumulated before any such commercial or non-commercial determination is made

on the well. The first of the month in which such future determination is made shall be the effective date for the expansion, if any, which this well may occasion.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

**SAN JUAN 27-5 UNIT**  
**Working Interest Owners**

**Mr. John L. Abercrombie**  
**The Spur Building**  
1947 West Gray Avenue  
Houston 19, Texas

**Mr. J. R. Abercrombie**  
P. O. Box 224  
Bellaire, Texas

**Mr. Mike Abraham**  
814 Mercantile Bank Building  
Dallas, Texas

**Mr. W. E. Alsup**  
Box 520  
Española, New Mexico

**Mrs. Lela L. Barkley**  
5322 Institute Lane  
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**Mrs. Evelyn Ellen Wallace & Mr. James A. Brown, Trustees under the Last Will & Testament of A. W. Brown**  
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Rye, New York

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Rye, New York

**Mr. James A. Brown**  
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Rye, New York

**Estate of Pablo Candelaria**  
Aztec, New Mexico

**Colorado Oil & Gas Corporation**  
Denver Club Building  
Denver, Colorado

**Mr. Sam Dazzo & Frances Joy Dazzo**  
615 Simms Building  
Albuquerque, New Mexico

**General American Oil Company of Texas**  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

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**Central National Bank & Trust Co.,**  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

**Mr. Thomas F. Harrington**  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

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c/o Mr. Robert E. Fox  
Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

**Northwest Production Corporation (2)**  
P. O. Box 1796  
El Paso 49, Texas

**Pan American Petroleum Corporation**  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

**Mr. H. O. Pool**  
P. O. Box 1585  
Scottsdale, Arizona

**Mr. Joe Quinn**  
Route 4, Box 4196  
Mesa, Arizona

SAN JUAN 27-5 UNIT  
Working Interest Owners  
(Continued)

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

El Paso Natural Gas Company

12

El Paso, Texas

April 25, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Reswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
REVISED 1963 DRILLING PROGRAM

Gentlemen:

By letter dated February 7, 1963, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1963. This program provided for the drilling of no wells during the calendar year 1963.

Pursuant to Section 10 of the San Juan 27-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Revised Drilling Program which provides for the drilling of one (1) well during the 1963 calendar year. This well is as follows:

DRILLING BLOCK

SE/4 Section 31,  
T-27-N, R-5-W

FORMATION

Pictured Cliffs

This proposed well will be drilled at the request of the United States Geological Survey as a unit offset to the Occidental #2-6 Well located in the NE/4 of Section 6, Township 26 North, Range 5 West, N.M.P.M.

El Paso Natural Gas Company intends to drill the Pictured Cliffs well to the base of the Pictured Cliffs Formation using rotary and cable tools. Surface casing will be set to approximately 100' from the surface and then a production string of casing will be set through the Pictured Cliffs Formation. Mud will be used in drilling through the Pictured Cliffs Formation and cable tools will be used for completion work. The entire Pictured Cliffs Formation will be subjected to a hydraulic fracturing process. Due care will be taken to protect all horizons.

In addition to the above well, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells requested by the working interest owners.

All of the working interest owners have been contacted and this Revised Drilling Program reflects, insofar as possible, their requests for additional drilling.

If this Revised 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 Revised Drilling Program are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Sam Smith, Manager  
Land Department

SS:GWO:js

APPROVED: \_\_\_\_\_  
United States Geological Survey  
Subject to like approval by the  
appropriate state officials.

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

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

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

APPROVED: *A. S. Patten, Jr.*  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands

DATE: *June 6, 1963*

The foregoing approvals are for the Revised 1963 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. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

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Española, New Mexico

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A. Brown, Trustees under the Last  
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Estate of G. F. Harrington  
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c/o T. H. Harrington  
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Albuquerque, New Mexico

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

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2001 Gulf Building  
Houston, Texas

Catherine B. McElvain, Individually and  
as Executrix of the Estate of T. H.  
McElvain, Deceased  
P. O. Box 2148  
Santa Fe, New Mexico

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220 Shelby Street  
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N.B.S. Corporation  
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Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso 49, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
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Mr. H. O. Pool  
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Scottsdale, Arizona

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Working Interest Owners  
(Continued)

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

540  
El Paso Natural Gas Company

El Paso, Texas

April 19, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE THIRD  
EXPANDED PARTICIPATING AREA, Dakota  
Formation, Effective December 1, 1962

Dear Mr. Anderson:

We are transmitting herewith for your handling five (5) copies of the captioned Expansion, together with map exhibits and geological information.

The enclosed Expansion was approved by the Oil Conservation Commission on April 9, 1963, and the Commissioner of Public Lands on April 17, 1963.

You will note that one correction has been made in ink on the Exhibit "D", Table 1. The well originally shown as being the San Juan 27-5 #60 is actually the San Juan 27-5 #69, and this correction has been made on all copies being submitted.

If this Expansion meets with your approval, please forward same to the Director, United States Geological Survey. Upon the approval of the Director, please return one (1) fully approved copy for our files.

Very truly yours,

*Charles T. Richardson*  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js  
Enclosures

cc: Commissioner of Public Lands

cc: Oil Conservation Commission ✓

COPY

540

APR 17 1963

April 17, 1963

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

Re: San Juan 27-5 Unit, Rio  
Arriba County, New Mexico  
Third Expanded Participat-  
ing Area, Dakota Formation

Attention: T. W. Bittick

Gentlemen:

May we be advised as to the status of well No. 84 which was a Dakota completion in the San Juan 27-5 Unit. This well was completed prior to your well No. 90 which your Third Expansion is predicated upon. Is this well No. 84 considered non-commercial.

Your Exhibit " D " attached to this expansion lists well No. 60 in error, we believe you are referring to well No. 69.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

ESW/mmr/v

540

April 17, 1963

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

Re: San Juan 27-5 Unit, Rio  
Arriba County, New Mexico  
Third Expanded Participat-  
ing Area, Dakota Formation

Attention: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands approves as of April 17, 1963, the Third Expanded Participating Area, Dakota Formation for the San Juan 27-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

We are returning five approved copies of this Expansion.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

ESW/mmr/v

encl:

cc: Oil Conservation Commission

U. S. Department of Interior  
Geological Survey  
Roswell, New Mexico  
Attention: Mr. John A. Anderson

540

1963 APR 11 ~~Drawer 1857~~  
Roswell, New Mexico

April 9, 1963

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your composite application of January 25, 1963, requesting approval of the first and second revisions of the Dakota participating area for the San Juan 27-3 unit agreement, Rio Arriba County, New Mexico, effective as of January 1 and July 1, 1962, respectively, was approved on April 4, 1963, by the Acting Director of the Geological Survey.

One approved copy of application is enclosed. You are requested to furnish the State of New Mexico and any other interested party with appropriate evidence of this approval.

Very truly yours,

[Orig. Sgd.] JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington (ltr. only)  
Farmington (ltr. only)  
NMOCC - Santa Fe (ltr. only)  
BLM - Santa Fe (w/cy of appln.)  
Com. of Pub. Lands - Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

540

April 9, 1963

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

Attention: Mr. T. W. Bittick

Re: Third Expanded Participating  
Area, Dakota Formation 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 Third Expanded Participating Area, 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.

Seven approved copies of the expansion are being forwarded to the Commissioner of Public Lands.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/JEK/ig

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

C  
O  
P  
Y

Drawer 1857  
Roswell, New Mexico

APR 11 1963

April 8, 1963

1963 APR 30 PM 11 28

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1963 plan of development dated February 7, 1963, for the San Juan 27-5 unit area, Rio Arriba County, New Mexico, advising that nineteen wells were drilled during 1962 and proposing no additional wells for 1963, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC-Santa Fe (ltr. only) ✓  
Com. of Pub. Lands-Santa Fe (ltr. only)

# El Paso Natural Gas Company

El Paso, Texas

APR 2 1963 April 2, 1963

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
THIRD EXPANDED PARTICIPATING AREA,  
Dakota Formation, Effective December  
1, 1962

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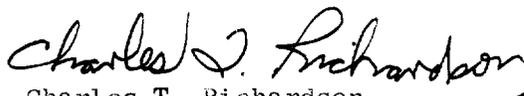
Gentlemen:

Attached are eight (8) copies of the subject Application for Approval of the Third Expanded Participating Area, Dakota Formation, for the San Juan 27-5 Unit, together with the appropriate Exhibits and geological information.

If this Third Expanded Participating Area meets with your approval, please sign all copies in the space provided, retaining one copy for your files and forwarding the remaining seven copies to the Commissioner of Public Lands for his approval and execution. Upon the approval by the Commissioner of Public Lands, they are to retain one copy and return the remaining six copies to this office for our further handling in obtaining the approval of the United States Geological Survey.

After we have received fully executed and approved copies of this Expansion, one copy of same will be forwarded to the Commissioner of Public Lands.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWC:js  
Enclosures

cc: Commissioner of Public Lands

Mr. John Anderson  
United States Geological Survey

# El Paso Natural Gas Company

El Paso, Texas

April 1, 1963

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
THIRD EXPANDED PARTICIPATING AREA,  
Dakota Formation, Effective December  
1, 1962

---

Gentlemen:

Pursuant to the provisions of 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, hereby respectfully requests approval of the Third Expanded Participating Area for the Dakota Formation, to wit:

THIRD EXPANDED PARTICIPATING AREA - Effective December 1, 1962

<u>Description of Lands</u>	<u>Acres</u>
Township 27 North, Range 5 West, N.M.P.M.	
Section 16: All	640.00
Section 17: N/2	<u>320.00</u>
	960.00

The proposed Third Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 27-5 Unit #90 Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 27-5 Unit #90 Well, which is located in the NE/4 of Section 16, Township 27 North, Range 5 West, N.M.P.M., was spudded on October 31, 1962, and completed on November 23, 1962, at a total depth of 7862'. The Dakota Formation in the intervals between 7568' - 7572', 7584' - 7590', 7606' - 7618', 7696' - 7708', 7752' - 7758', 7782' - 7794' was treated with a sand-water fracturing process on November 21, 1962. The Dakota Formation was shut-in on November 23, 1962, and after being shut-in for eleven (11) days, the Dakota Formation was tested on December 4, 1962, and following a three (3) hour blow-down period gauged 4359 MCFGPD through a 3/4" choke and 4721 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2600 psia.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the unit and the Third Expanded Participating Area of the Dakota Formation within the San Juan 27-5 Unit.

EXHIBIT "B"

Geological Report on the Third Expanded Participating Area 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: Dakota production and deliverability.

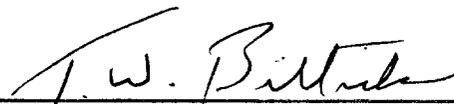
Attached hereto is Schedule IV which shows the proposed Third Expanded Participating Area for the Dakota Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentages of ownership in each tract.

If this Third Expanded Participating Area of the Dakota Formation meets with your approval, please indicate such approval in the space provided below and return an approved copy hereof for our files.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

El Paso Natural Gas Company

54

000 MAR 13 PM 1 34

El Paso, Texas

March 6, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

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

The San Juan 27-5 Unit #89 Well, located 1589' from the South line and 800' from the West line of Section 4, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 24, 1962, and completed on December 19, 1962, in the Dakota Formation at a total depth of 7920'. The Dakota Formation in the intervals between 7640' - 7646', 7748' - 7760', 7794' - 7798', 7810' - 7814', 7844' - 7850' was treated with a sand-water fracturing process on December 17, 1962. The Dakota Formation was shut-in on December 19, 1962, and after being shut-in for gauge for nine (9) days, the well was tested on December 28, 1962, and following a three (3) hour

blow-down period the Dakota Formation gauged 4747 MCFGPD through a 3/4" choke and 5976 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2564 psia and an SIPT of 2588 psia. The committed spacing unit upon which this well is located is described as the W/2 of Section 4, Township 27 North, Range 5 West, containing 320.23 acres.

This spacing unit was included in the San Juan 27-5 First Expanded Participating Area for the Dakota Formation, effective January 1, 1962. Therefore, the completion of this well does not warrant any further expansion of the Dakota Participating Area at this time.

The San Juan 27-5 Unit #78 Well, located 1460' from the North line and 1460' from the East line of Section 5, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 1, 1962, and completed on September 3, 1962, in the Dakota Formation at a total depth of 7826'. The Dakota Formation in the intervals between 7536' - 7542', 7643' - 7649', 7707' - 7713', 7743' - 7749' was treated with a sand-water fracturing process on September 1, 1962. The Dakota Formation was shut-in on September 26, 1962, and after being shut-in for gauge for seven (7) days, the well was tested on October 3, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged 4430 MCFGPD through a 3/4" choke, and 5848 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2351 psia and an SIPT of 2327 psia. The committed spacing unit upon which this well is located is described as the E/2 of Section 5, Township 27 North, Range 5 West, containing 320.27 acres.

This drilling block was included in the San Juan 27-5 First Expanded Participating Area of the Dakota Formation, effective January 1, 1962, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

The San Juan 27-5 Unit #82 Well, located 1450' from the South line and 1450' from the West line of Section 6, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 15, 1962, and completed on August 11, 1962, in the Dakota Formation at a total depth of 7815'. The Dakota Formation in the intervals between 7528' - 7534', 7554' - 7560', 7646' - 7650', 7661' - 7667', 7732' - 7738', 7746' - 7752', 7774' - 7780' was treated with a sand-water fracturing process on August 9, 1962. The Dakota Formation was shut-in on August 11, 1962, and after being shut-in for gauge for thirteen (13) days, the well was tested on August 24, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged 3930 MCFGPD through a 3/4"

choke, and 4787 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2422 psia and an SIPT of 2354 psia. The committed spacing unit upon which this well is located is described as the W/2 of Section 6, Township 27 North, Range 5 West, containing 321.74 acres.

This spacing unit was included in the San Juan 27-5 First Expanded Participating Area for the Dakota Formation, effective January 1, 1962. Therefore, the completion of this well does not warrant any further expansion of the Dakota Participating Area.

The San Juan 27-5 Unit #85 Well, located 1850' from the South line and 1450' from the West line of Section 5, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 12, 1962, and completed on September 6, 1962, in the Dakota Formation at a total depth of 7920'. The Dakota Formation in the intervals between 7616' - 7622', 7727' - 7731', 7742' - 7746', 7792' - 7796', 7836' - 7840' was treated with a sand-water fracturing process on September 5, 1962. The Dakota Formation was shut-in on September 6, 1962, and after being shut-in for gauge for twelve (12) days, the well was tested on September 18, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged 5051 MCFGPD through a 3/4" choke, and 6217 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2524 psia and an SIPT of 2581 psia. The committed spacing unit upon which this well is located is described as the W/2 of Section 5, Township 27 North, Range 5 West, containing 319.81 acres.

This spacing unit was included in the San Juan 27-5 First Expanded Participating Area of the Dakota Formation, effective January 1, 1962. Therefore, the completion of this well does not warrant any further expansion of the Dakota Participating Area.

The San Juan 27-5 Unit #86 Well, located 1190' from the South line and 550' from the West line of Section 9, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on September 7, 1962, and completed on October 6, 1962, in the Dakota Formation at a total depth of 7991'. The Dakota Formation in the intervals between 7733' - 7739', 7764' - 7768', 7842' - 7848', 7884' - 7890', 7920' - 7924' was treated with a sand-water fracturing process on October 4, 1962. The Dakota Formation was shut-in on October 6, 1962, and after being shut-in for gauge for seventeen (17) days, the well was tested on October 23, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged 4781 MCFGPD through a 3/4" choke, and 6211 MCFGPD by the

calculated absolute open-flow method, with an SIPC of 2541 psia and an SIPT of 2581 psia. The committed spacing unit upon which this well is located is described as the S/2 of Section 9, Township 27 North, Range 5 West, containing 320.00 acres.

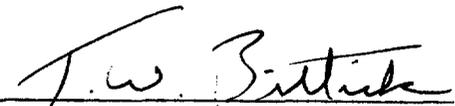
This spacing unit was included in the San Juan 27-5 Second Expanded Participating Area of the Dakota Formation, effective July 1, 1962. Therefore, the completion of this well does not warrant any further expansion of the Dakota Participating Area at this time.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:CWC:ag

**SAN JUAN 27-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr. James A.  
Brown, Trustees under the Last Will &  
Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Estate of Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

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

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Catherine B. McElvain, Individually and  
as Executrix of the Estate of T. H.  
McElvain, Deceased  
P. O. Box 2148  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox  
Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso 49, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

**SAN JUAN 27-5 UNIT**  
**Working Interest Owners**  
**(Continued)**

**Mrs. Omega E. Quinn**  
**c/o Mildred Ellis**  
**P. O. Box 625**  
**Taos, New Mexico**

**Riasan Company**  
**P. O. Box 4026, Station "A"**  
**Albuquerque, New Mexico**

**Mr. M. A. Romero**  
**P. O. Box 2011**  
**Santa Fe, New Mexico**

**Southern Petroleum Exploration, Inc.**  
**Attention: Mr. John C. Wright**  
**P. O. Box 192**  
**Sistersville, West Virginia**

**Mr. Robert P. Tinnin**  
**P. O. Box 896**  
**Albuquerque, New Mexico**

El Paso Natural Gas Company

*Handwritten initials*

1:54 PM 1-24

El Paso, Texas

February 28, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL - Mesaverde Formation

Gentlemen:

Pursuant to the provisions of 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, was obligated to drill, upon acreage committed to subject unit, the following described well that is capable of producing unitized substances from the Mesaverde Formation:

The San Juan 27-5 Unit #71 (PM) Well, located 1190' from the North line and 797' from the East line of Section 28, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 20, 1962, and completed on September 9, 1962, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5580'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 4870' - 4876', 4886' - 4892', 4920' - 4926', 4952' - 4958', 4986' - 4992', 5382' - 5388', 5422' - 5428', 5442' - 5448', 5486' - 5492' were treated with a sand-water fracturing process on September 4, 1962. The well was shut-in on September 9, 1962, and after being shut-in for gauge for nine (9) days, the Mesaverde Formation was tested on September 18, 1962. A tubing thread leak was discovered and this leak was repaired on

October 30, 1962, The Mesaverde Formation was again shut-in on November 27, 1962, and after being shut-in for gauge for twenty-one (21) days, the Mesaverde Formation was tested on December 4, 1962, and following a three (3) hour blow-down period the Mesaverde Formation gauged 2289 MCFGPD through a 3/4" choke and 2678 MCFGPD by the calculated absolute open-flow method, with an SIPC of 968 psia and an SIPT of 1135 psia. The committed drilling block upon which this well is located is described as the E/2 of Section 28, Township 27 North, Range 5 West, containing 320.00 acres.

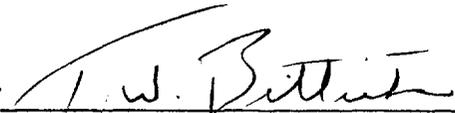
This drilling block was included in the San Juan 27-5 Twenty-Sixth Expanded Participating Area for the Mesaverde Formation, effective September 1, 1961, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

The San Juan 27-5 Unit #71(PM) Well was also completed in the Pictured Cliffs Formation and a Notice of Completion of an Additional Well has been sent by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ag

SAN JUAN 27-5 UNIT

Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr. James  
A. Brown, Trustees under the Last  
Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Catherine B. McElvain, Individually  
and as Executrix of the Estate of  
T. H. McElvain, Deceased  
P. O. Box 2148  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox,  
Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

SAN JUAN 27-5 UNIT  
Working Interest Owners  
(Continued)

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

MAIN OFFICE OCC  
1963 FEB 13 PM 4 32

February 14, 1963

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

Re: San Juan 27-5 Unit,  
Rio Arriba County,  
New Mexico. Amended  
1962 Drilling Program,  
1963 Drilling Program.

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands has approved your Amended 1962 Drilling Program and your 1963 Drilling Program for the San Juan 27-5 Unit as of February 13, 1963, subject to like approval by the United States Geological Survey.

We are returning our approved copy.

Very truly yours,

E. S. Johnny Walker  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Kline,  
Supervisor, Unit Division

ESW/mmr/e  
encl:  
cc:

United States Geological Survey  
Roswell, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico

*El Paso Natural Gas Company*

*El Paso, Texas*

February 13, 1963

1963 FEB 15 PM 1 30

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIRST AND SECOND EXPANDED PARTI-  
CIPATING AREAS, Dakota Formation  
Effective January 1, 1962 and  
July 1, 1962

Gentlemen:

You will find attached hereto a corrected page one of the above captioned Application for Approval, which shows a correction in the description. Please remove page one of said Application, which was sent to you under date of January 25, 1963, and replace it with this corrected page one.

Copies of this letter and corrected page one are being sent to the working interest owners of the San Juan 27-5 Unit.

Very truly yours,

*Charles T. Richardson*  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js  
Enclosure

cc: United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

MAIN OFFICE OCC  
1963 FEB 15 PM 4:32

540

**February 11, 1963**

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

**Re: San Juan 27-5 Unit, Rio Arriba  
County, New Mexico. First and  
Second Expanded Participating  
Areas, Dakota Formation Effective  
January 1, 1962 and July 1, 1962**

**Attention Mr. T. W. Bittick**

**Gentlemen:**

The Commissioner of Public Lands has approved as of February 11, 1963, the First and Second Participating Areas for the Dakota Formation, San Juan 27-5 Unit Area, Rio Arriba County, New Mexico. Our approval is subject to like approval by the United States Geological Survey.

We wish to call to your attention Page One, under First Expanded Participating Areas. The description of this acreage is listed as Township 27 North, Range 4 West, Range 4 West being in error.

We are returning five approved copies of these Participating Areas.

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

February 11, 1963

-Page 2-

Very truly yours,

E. S. Johnny Walker  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Rhea,  
Supervisor, Unit Division

ESW/mmr/e

encl: United States Geological Survey  
Roswell, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

1963 FEB 11 AM 8 20

February 7, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
AMENDED 1962 DRILLING PROGRAM AND  
1963 DRILLING PROGRAM

Gentlemen:

By letter dated July 25, 1962, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1962. This Program provided for the drilling of nine (9) Pictured Cliffs wells and one (1) Pictured Cliffs-Mesaverde dual well, two (2) Mesaverde-Dakota dual wells and six (6) Dakota wells. Four of the wells set out on the 1962 Drilling Program were not drilled. These locations are as follows:

<u>DRILLING BLOCK AND/OR SPACING UNIT</u>	<u>FORMATION</u>
(1) E/2 Sec. 27, T-27-N, R-5-W	Pictured Cliffs
(2) W/2 Sec. 27, T-27-N, R-5-W	Pictured Cliffs
(3) W/2 Sec. 29, T-27-N, R-5-W	Pictured Cliffs
(4) N/2 Sec. 9, T-27-N, R-5-W	Dakota

The Pictured Cliffs wells that were proposed for the E/2 of Section 27 and the W/2 of Section 27, as set out in (1) and (2) above, were not drilled since some of the working interest owners of these drilling blocks did not elect to join in the drilling of these wells at that time. The regulatory bodies granted an indefinite postponement of the Pictured Cliffs well located in the W/2 of Section 29,

which is set out under (3) above. The Dakota well proposed for the N/2 of Section 9, as set out in (4) above, was not drilled as a result of the difficult terrain and the prohibitive costs for building such a location.

Five additional wells not included in the 1962 Drilling Program were drilled during 1962. These wells are as follows:

<u>DRILLING BLOCK AND/OR SPACING UNIT</u>	<u>FORMATION</u>
SE/4 Sec. 36, T-27-N, R-5-W	Pictured Cliffs
E/2 Sec. 12, T-27-N, R-5-W	Mesaverde
E/2 Sec. 13, T-27-N, R-5-W	Mesaverde
W/2 Sec. 4, T-27-N, R-5-W	Dakota
E/2 Sec. 16, T-27-N, R-5-W	Dakota

The Pictured Cliffs well drilled in the SE/4 of Section 36 was an offset obligation. The two (2) Dakota tests drilled in the W/2 of Section 4 and the E/2 of Section 16 and the two (2) Mesaverde wells drilled in the E/2 of Section 12 and the E/2 of Section 13 were all unit development wells.

Nineteen (19) wells were completed in the San Juan 27-5 Unit during the calendar year 1962. Seven (7) wells were completed in the Pictured Cliffs Formation only, and two (2) wells were completed in the Mesaverde Formation only. One (1) well was a dual completion in the Pictured Cliffs and Mesaverde Formations, and two (2) wells were dual completions in the Mesaverde-Dakota Formations. Seven (7) wells were completed in the Dakota Formation. All of the drilling blocks are now included within the Participating Areas for the Pictured Cliffs and Mesaverde Formations and lands proven commercial will be included within the participating area for the Dakota Formation.

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

Pictured Cliffs	10
Mesaverde	23
Dual, Pictured Cliffs- Mesaverde	39
Dual, Mesaverde - Dakota	3
Dakota	8
Non-Commercial: Mesaverde	<u>1</u>
	84

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 which provides for the drilling of no wells during the period from January 1, 1963 to December 31, 1963.

All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their desires for additional drilling and El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit 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 Drilling Program are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith, Manager  
Land Department

SS:GWO:ag

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

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

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

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

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

DATE: 5-2-63

The foregoing approvals are for the Amended 1962 Drilling Program and the  
1963 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. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo L. Candelaria, Executor  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
715 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Catherine B. McElvain, Individually &  
Executrix of Estate of T. H. McElvain, Dec.  
P. O. Box 2148  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso 49, Texas

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

SAN JUAN 27-5 UNIT  
Working Interest Owners  
(Continued)

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

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

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

**SANTA FE, NEW MEXICO**

**January 30, 1963**

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

**Attention: Mr. T. W. Bittick**

**Re: First and Second Expanded  
Participating Areas, Dakota  
Formation 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 First and Second Expanded Participating Areas of 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.**

**Seven approved copies of the application are being forwarded to the Commissioner of Public Lands.**

**Very truly yours,**

**A. L. PORTER, Jr.,  
Secretary-Director**

**ALP/JEK/ig**

**cc: Commissioner of Public Lands  
Santa Fe, New Mexico**

**United States Geological Survey  
Roswell, New Mexico**

C  
O  
P  
Y

# El Paso Natural Gas Company

1963 JAN 29 AM El Paso, Texas

January 28, 1963

540

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIRST AND SECOND EXPANDED PARTI-  
CIPATING AREAS, Dakota Formation  
Effective January 1, 1962 and  
July 1, 1962

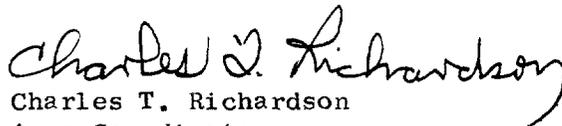
Gentlemen:

Attached are eight (8) copies of the subject First and Second Revisions of the Participating Area for the San Juan 27-5 Unit, together with exhibits and geological information.

It is requested, upon your approval, that you kindly sign all copies in the space provided, retaining one (1) copy and forward the remaining seven (7) copies to the Commissioner of Public Lands for his approval and execution. Upon the approval by the Commissioner of Public Lands, they are to retain one (1) copy and return the remaining six (6) copies to this office for our further handling in obtaining the approval of the United States Geological Survey.

After we have received fully executed and approved copies of these Expansions, we will forward one (1) fully executed and approved copy to the Commissioner of Public Lands.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js  
Attachments

cc: Commissioner of Public Lands

SJ 27-5, 4.3

MAIN OFFICE 000  
*El Paso Natural Gas Company*

1963 FEB 1 PM 1 29 *El Paso, Texas*

January 28, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit  
1962 Drilling Program

Gentlemen:

This is to advise that the 1962 Drilling Program for the San Juan 27-5 Unit was approved by the regulatory bodies as follows:

1. Regional Supervisor, United States Geological Survey on August 22, 1962.
2. Commissioner of Public Lands of the State of New Mexico on January 23, 1963.
3. Oil Conservation Commission of the State of New Mexico on January 8, 1963.

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

Very truly yours,

*Charles T. Richardson*  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js

# El Paso Natural Gas Company

El Paso, Texas

January 25, 1963

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIRST AND SECOND EXPANDED PARTI-  
CIPATING AREAS, Dakota Formation  
Effective January 1, 1962 and  
July 1, 1962

Gentlemen:

Pursuant to the provisions of 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, hereby respectfully requests approval of the First and Second Expanded Participating Areas for the Dakota Formation, to wit:

FIRST EXPANDED PARTICIPATING AREA - Effective January 1, 1962

<u>Description of Lands</u>	<u>Acres</u>
Township 27 North, Range 4 West, N.M.P.M.	
Section 3: Lots 3,4, S/2 NW/4	159.36
Section 4: Lots 1,2,3,4, S/2 N/2, SW/4	479.92
Section 5: Lots 1,2,3,4, S/2 N/2, S/2 (All)	640.08
Section 6: Lots 1,2,3,4,5,6,7, S/2 NE/4, SE/4 NW/4, E/2 SW/4, SE/4 (All)	641.43
	<u>1,920.79</u>

The proposed First Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 27-5 Unit #59 (MD) Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 27-5 Unit #59 (MD) Well, which is located in the NE/4 of Section 6, Township 27 North, Range 5 West, N.M.P.M., was spudded on November 6, 1961, and completed on December 19, 1961, at a total depth of 7870'. The Dakota Formation in the intervals between 7500' - 7508', 7530' - 7538', 7608' - 7616', 7622' - 7630', 7652' - 7658', 7670' - 7676', 7682' - 7688', 7698' - 7704', 7710' - 7716' was treated with a sand-water fracturing process on December 8, 1961. The Dakota Formation was shut-in on December 20, 1961, and after being shut-in for twenty-seven (27) days, the Dakota Formation was tested on January 16, 1962, and following a three (3) hour blow-down period gauged 4758 MCFGPD through a 3/4" choke and 5870 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2376 psia.

The San Juan 27-5 Unit #59 (MD) Well was also completed in the Mesaverde Formation and a Notice of Completion of Additional Well was sent by separate letter.

SECOND EXPANDED PARTICIPATING AREA - Effective July 1, 1962

<u>Description of Lands</u>	<u>Acres</u>
Township 27 North, Range 5 West, N.M.P.M.	
Section 7: Lots 1,2,3,4, E/2 W/2, E/2 (All)	642.04
Section 8: All	640.00
Section 9: S/2 NE/4, NW/4, S/2	560.00
	<u>1,842.04</u>

The proposed Second Expanded Participating Area of the Dakota Formation is predicated upon the determination that the two wells set out below are capable of producing unitized substances in paying quantities from the Dakota Formation. These wells are as follows:

1. The San Juan 27-5 Unit #69 (MD) Well, which is located in the NE/4 of Section 7, Township 27 North, Range 5 West, N.M.P.M., was spudded on May 28, 1962, and completed on June 28, 1962, at a total depth of 7900'. The Dakota Formation in the intervals between 7604' - 7608', 7628' - 7632', 7725' - 7733', 7772' - 7776', 7816' - 7824' was treated with a sand-water fracturing process on June 24, 1962. The Dakota Formation was shut-in on June 28, 1962, and after being shut-in for seven (7) days, the Dakota Formation was tested on July 5, 1962, and following a three (3) hour blow-down period gauged 3154 MCFGPD through a 3/4" choke and 3377 MCFGPD by the calculated absolute open-flow method with an SIPT of 2669 psia.

2. The San Juan 27-5 Unit #70 (MD) Well, which is located in the NE/4 of Section 8, Township 27 North, Range 5 West, N.M.P.M., was spudded on May 3, 1962, and completed on June 12, 1962, at a total depth of 7911'. The Dakota Formation in the intervals between 7726' - 7738', 7770' - 7776', 7786' - 7792', 7822' - 7828' was treated with a sand-water fracturing process on June 2, 1962. The Dakota Formation was shut-in on June 12, 1962, and after being shut-in for twenty-two (22) days, the Dakota Formation was tested on July 4, 1962, and following a three (3) hour blow-down period gauged 4583 MCFGPD through a 3/4" choke and 5455 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2505 psia.

The San Juan 27-5 Unit #69 (MD) Well and the San Juan 27-5 Unit #70 (MD) Well were also completed in the Mesaverde Formation and Notices of Completion of Additional Well were sent by separate letters.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the unit and the First and Second Expanded Participating Areas of the Dakota Formation within the San Juan 27-5 Unit.

EXHIBIT "B"

Geological Report on the First and Second 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: Dakota production and deliverability.

Attached hereto are Schedules II and III which show the proposed First and Second Expanded Participating Areas for the Dakota Formation in the San Juan 27-5 Unit Area. These Schedules describe the Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the percentages of ownership in each tract.

If these First and Second Expanded Participating Areas of the Dakota Formation meet with your approval, please indicate such approval in the space provided below and return an approved copy hereof for our files.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
\_\_\_\_\_  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

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

APPROVED: A. L. Peter, Jr. DATE: Jan 30, 1963  
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 First and Second Expanded Participating  
Areas of the Dakota Formation, San Juan 27-5 Unit #14-08-001-950, Rio Arriba  
County, New Mexico.

MAIN OFFICE *El Paso* Natural Gas Company

1963 JAN 20 PM 1 28

*El Paso, Texas*

540

January 24, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit  
Rio Arriba County, New Mexico  
1962 Drilling Program

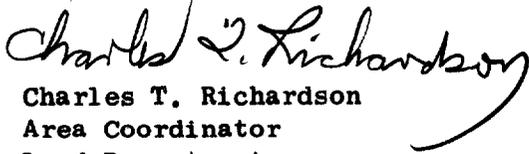
Gentlemen:

This letter is to inform you that El Paso Natural Gas Company's Application dated November 20, 1962, for the indefinite extension of time within which to commence drilling the Pictured Cliffs well on an intervening drilling block described as the W/2 of Section 29, Township 27 North, Range 5 West, N.M.P.M., under the San Juan 27-5 Unit Agreement, Rio Arriba County, New Mexico, has been approved as follows:

1. Acting Director, United States Geological Survey on January 10, 1963, (subject to revocation at any time further conditions indicate that the drilling of the Pictured Cliffs well in the W/2 of Section 29, Township 27 North, Range 5 West, is necessary to further the obligation of the San Juan 27-5 Unit Agreement).
2. Commissioner of Public Lands of the State of New Mexico on November 29, 1962.
3. Oil Conservation Commission of the State of New Mexico on November 30, 1962.

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

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js

PLAIN OFFICE OCC

540

1963 JAN 23 AM 9:54

January 23, 1963

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

Re: San Juan 27-5 Unit  
1962 Drilling Program,  
Rio Arriba County, New  
Mexico

Attention: Mr. Harry Gevertz

Gentlemen:

Thank you for your letter of January 11, 1963.

The Commissioner of Public Lands has of this date approved the 1962 Drilling Program for the San Juan 27-5 Unit Area, Rio Arriba County, New Mexico.

We are returning one approved copy of this Drilling Program.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:

(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

ESW/mmr/e

cc: United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

540

El Paso Natural Gas Company

El Paso, Texas

January 18, 1963

1963 JAN 24 PM 1 32

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL - Mesaverde 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 additional well capable of producing unitized substances in commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #91 Well, located 890' from the North line and 990' from the East line of Section 13, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 13, 1962, and completed on November 4, 1962, in the Mesaverde Formation at a total depth of 6075'. The Mesaverde Formation in the intervals between 5484' - 5488', 5504' - 5508', 5972' - 5976', 5988' - 5992', 6014' - 6018' was treated with a sand-water fracturing process on November 1, 1962. The Mesaverde Formation was shut-in on November 4, 1962, and after being shut-in for gauge for nine (9) days, the

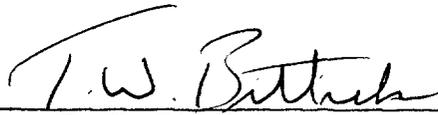
well was tested on November 13, 1962, and following a three (3) hour blow-down period the Mesaverde Formation gauged 2376 MCFGPD through a 3/4" choke and 2448 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1142 PSIA and an SIPT of 1158 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 13, Township 27 North, Range 5 West, containing 320.00 acres.

This drilling block was included in the San Juan 27-5 Twenty-Eighth Expanded Participating Area for the Mesaverde Formation, effective November 1, 1962, as an intervening drilling block. 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.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

**SAN JUAN 27-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine B.  
McElvain  
P. O. Box 2148  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso 49, Texas

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

SAN JUAN 27-5 UNIT  
Working Interest Owners  
(Continued)

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

1963 JAN 23 PM 1 El Paso, Texas

January 17, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
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 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 #80 Well, located 1180' from the South line and 890' from the East line of Section 22, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on November 1, 1962, and completed on November 11, 1962, in the Pictured Cliffs Formation at a total depth of 3444'. The Pictured Cliffs Formation in the intervals between 3302' - 3308', 3320' - 3326' was treated with a sand-water fracturing process on November 9, 1962. The well was completed as a tubingless completion on November 11, 1962, and the Pictured Cliffs Formation

Formation was shut-in on November 11, 1962. After being shut-in for eighteen (18) days, the Pictured Cliffs Formation was tested on November 29, 1962, and following a three (3) hour blow-down period gauged 4409 MCFGPD through a 3/4" choke, and 5352 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1030 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 22, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block was included in the San Juan 27-5 Unit Twentieth Expanded Participating Area of the Pictured Cliffs Formation, effective July 1, 1962. Therefore, the Participating Area is not enlarged.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine B.  
McElvain  
P. O. Box 2148  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso 49, Texas

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

SAN JUAN 27-5 UNIT  
Working Interest Owners  
(Continued)

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE. NEW MEXICO

540

January 8, 1963

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

Attention: Mr. Sam Smith

Re: 1962 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 1962 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 of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/JEK/esr  
Enclosure

cc: United States Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico

C  
O  
P  
Y

# El Paso Natural Gas Company

El Paso, Texas

December 27, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
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 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 #92 Well, located 790' from the South line and 1850' from the East line of Section 36, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on October 26, 1962, and completed on November 4, 1962, in the Pictured Cliffs Formation at a total depth of 4122'. The Pictured Cliffs Formation in the interval between 4011' - 4023', was treated with a sand-water fracturing process on November 2, 1962. The well was completed as a tubingless completion on November 4, 1962, and the Pictured Cliffs Formation was shut-in on November 4, 1962. After being shut-in for nine (9) days, the Pictured Cliffs Formation

was tested on November 13, 1962, and following a three (3) hour blow-down period gauged 2530 MCFGPD through a 3/4" choke, and 2968 MCFGPD by the calculated absolute open-flow method, with an SIPC of 672 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 36, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

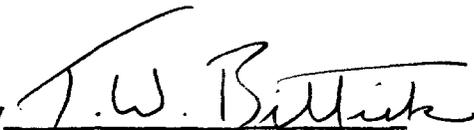
The foregoing drilling block was included in the San Juan 27-5 Unit Sixth Expanded Participating Area of the Pictured Cliffs Formation, effective August 1, 1958. Therefore, the Participating Area is not enlarged.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ag

**SAN JUAN 27-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine E.  
McElvain  
P. O. Box 2148  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso 49, Texas

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

SAN JUAN 27-5 UNIT  
Working Interest Owners  
(Continued)

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

540

December 4, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
TWENTY-EIGHTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation,  
Effective November 1, 1962

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 Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #88 Well, located 1190' from the North line and 800' from the East line of Section 12, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on September 27, 1962, and completed on October 15, 1962, in the Mesaverde Formation at a total depth of 6055'. The Mesaverde Formation in the intervals between 5468' - 5474', 5500' - 5504', 5516' - 5520', 5886' - 5898', 5960' - 5966', 5984' - 5996' was perforated and treated with a sand-water fracturing process on October 13, 1962. The well

was completed on October 15, 1962, and the Mesaverde Formation was shut-in on October 16, 1962. After being shut-in for gauge for eight (8) days, the Mesaverde Formation was tested on October 24, 1962, and following a three (3) hour blow-down period gauged 4594 MCFGPD through a 3/4" choke, and 5228 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1118 PSIA and an SIPT of 1121 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 12, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block is included in the Twenty-Eighth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective November 1, 1962.

The completion of the San Juan 27-5 Unit #88 Well in the Mesaverde Formation creates one (1) intervening drilling block described as the E/2 of Section 13, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Mesaverde Participating Area effective November 1, 1962, and a well must be commenced on this intervening drilling block by November 1, 1963.

Attached is Schedule XXIX showing the Twenty-Eighth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of November 1, 1962.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

540

November 30, 1962

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

Attention: Mr. Harry Gevertz

Re: San Juan 27-5 Unit  
Drilling Obligation  
Pictured Cliffs Formation

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved your request for an indefinite extension of time for the commencement of a well to be drilled to the Pictured Cliffs Formation on the Intervening Drilling Block comprised of the W/2 of Section 29, Township 27 North, Range 5 West, NMPM, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Five approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/JEK/ig

cc: Commissioner of Public Lands - Santa Fe  
U. S. Geological Survey - Roswell

November 29, 1962

El Paso Natural Gas Company  
El Paso, Texas

Re: San Juan 27-5 Unit,  
Rio Arriba County,  
New Mexico, Pictured  
Cliffs Formation

Attention: Mr. Harry Gevertz

Gentlemen:

The Commissioner of Public Lands has of this date approved your request for an indefinite postponement of an obligation to drill a Pictured Cliffs well in the W/2 of Sec. 29, T-27N, R-5W. Subject to like approval by the Oil Conservation Commission and the United States Geological Survey.

We are handing to the Oil Conservation Commission six approved copies of this request for their consideration and requesting they forward five executed copies to Mr. John A. Anderson, U. S. Geological Survey, Roswell, New Mexico, at their earliest convenience.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY: \_\_\_\_\_  
(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

ESW/mmr/v  
cc: Oil Conservation Commission  
Santa Fe, New Mexico

U. S. Geological Survey  
Roswell, New Mexico

El Paso Natural Gas Company

540

El Paso, Texas

November 21, 1962

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Attention: Mrs. Marian Rhea

Re: San Juan 27-5 Unit  
Pictured Cliffs Formation

Gentlemen:

Attached for your approval are seven (7) copies of Request for Indefinite Postponement of the Obligation to Drill a Pictured Cliffs Well in the W/2 of Section 29, Township 27 North, Range 5 West. The described spacing unit is an intervening drilling block with a commencement date of December 1, 1962.

The reason for requesting the indefinite extension is set out in detail in the attached letter; however, it can be briefly summarized as due to non-commercial production in this location. It is felt that the supporting data is an appropriate basis for granting the relief requested pursuant to the provisions of Paragraph 11(a) of the San Juan 27-5 Unit Agreement.

In order to expedite the handling of this request, we would very much appreciate your securing the approval of the Oil Conservation Commission as well and forwarding five executed copies to Mr. John A. Anderson, United States Geological Survey for his handling. You may retain one copy of the Application for your files and one additional copy for the Oil Conservation Commission.

Thank you for your anticipated cooperation.

Very truly yours,

Original Signed By

HARRY GEVERTZ

Harry Gevertz

Regional Landman

Land Department

HG:ag

Enclosures

cc: Oil Conservation Commission ✓  
United States Geological Survey

COPY

# El Paso Natural Gas Company

El Paso, Texas

November 21, 1962

540

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
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 #76 Well, located 1190' from the North line and 1190' from the East line of Section 7, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on September 15, 1962, and completed on October 13, 1962, in the Pictured Cliffs Formation at a total depth of 3535'. The Pictured Cliffs Formation in the intervals between 3428' - 3434', 3449' - 3455' was treated with a sand-water fracturing process on October 9, 1962. The well was completed as a tubingless completion on October 13, 1962, and the Pictured Cliffs Formation was shut-in for gauge on October 13, 1962. After being shut-in for twelve (12) days, the Pictured Cliffs Formation was tested on October 25, 1962, and following a

three (3) hour blow-down period gauged 2169 MCFGPD through a 3/4" choke, and 2254 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1106 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 7, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

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, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

**SAN JUAN 27-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsop  
Box 820  
Española, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine B. McElvain  
P. O. Box 2148  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
P. O. Box 1796  
El Paso 49, Texas

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

SAN JUAN 27-5 UNIT  
Working Interest Owners  
(Continued)

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

November 20, 1962

Director  
United States Geological Survey  
Washington, D. C.

through

Mr. John Anderson  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Re: Unit Agreement for the Development  
and Operation of the San Juan 27-5  
Unit Area, Rio Arriba County, New  
Mexico, Contract #14-08-001-950

Gentlemen:

Pursuant to Paragraph 11(a) of the above captioned Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is obligated to commence a well on the intervening drilling block described below on the date specified:

<u>Drilling Block</u>	<u>Formation</u>	<u>Commencement Date</u>
T-27-N, R-5-W, N.M.P.M. Section 29: W/2	Pictured Cliffs	December 1, 1962

This tract is presently in the Participating Area and the production from the wells in the Participating Area is being allocated to said tract on an acreage basis. As you are aware several hundred Dakota wells with good deliverabilities have been completed in the San Juan Basin within the past three years. Also, Mesaverde and Pictured Cliffs development has proceeded at a very rapid rate. All of these additional wells have, of course, been allocated their share of market demand although the pipeline capacity from the Basin has not been substantially increased.

NOV 23 11 00 AM '62

Under these conditions prudent operation demands more strongly than ever that only those wells capable of sustained deliverability at commercial levels be drilled. Three wells located within a quarter mile of the subject drilling block, the San Juan 27-5 Unit Wells Nos. 4, 24 and 58, have had sustained deliverabilities during 1962 of only 37 MCF/D, 27 MCF/D and 63 MCF/D, respectively. Within a mile radius of this drilling block there are four more wells, the San Juan 27-5 Unit Wells Nos. 34, 41, 48 and 51, with sustained deliverabilities during 1962 of 51 MCF/D, 86 MCF/D, 52 MCF/D and 32 MCF/D, respectively. The San Juan 27-5 Unit Wells Nos. 67 and 73 are very recent completions located less than one-half mile from the subject drilling block and the latter well located in the SE/4 of Section 30, Township 27 North, Range 5 West potentialied for only 800 MCF with poor sand development indicated on the well log. Therefore, all the information available, as noted on the attached plat, conclusively establishes this area as non-commercial in character in the Pictured Cliffs Formation even under favorable market conditions.

NOV 26 11 03 AM '62

Paragraph 11 of the Unit Agreement provides that the time for commencement of a well on an intervening drilling block may be extended by the Director, the Commissioner and the Commission. In accordance with this provision we respectfully request that El Paso Natural Gas Company be granted an indefinite extension for drilling this well in view of the facts presented.

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

Your favorable consideration of this request will be greatly appreciated.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith, Manager  
Land Department

SS:TWB:js

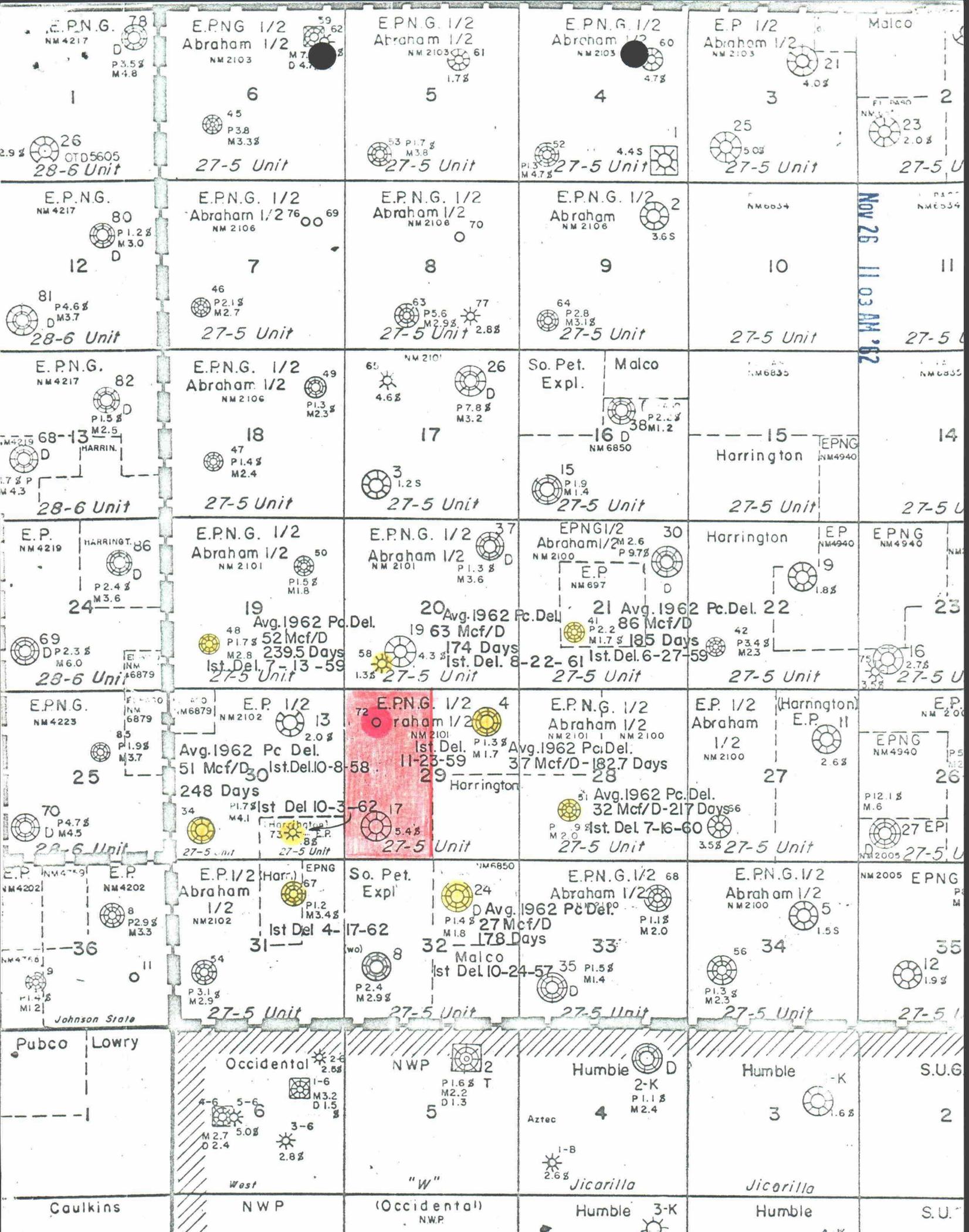
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

APPROVED: Edward E. ... DATE: Nov 29, 1962  
Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

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

NOV 29 11 03 AM '62

The foregoing approvals constitute consent to indefinite extension of time in which to drill the intervening drilling block described as the W/2 of Section 29, T-27-N, R-5-W, N.M.P.M., pursuant to Paragraph 11 of the San Juan 27-5 Unit Agreement.



# El Paso Natural Gas Company

El Paso, Texas

54

September 10, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL - Mesaverde 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 additional well capable of producing unitized substances in commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #69 (MD) Well, located 1090' from the North line and 990' from the East line of Section 7, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 28, 1962, and completed on June 28, 1962, in the Mesaverde and Dakota Formations at a total depth of 7900'. The Cliff House and Point Look-out Sections of the Mesaverde Formation in the intervals between 5099' - 5103', 5121' - 5125', 5180' - 5184', 5236' - 5244', 5582' - 5586', 5618' - 5622', 5648' - 5652', 5702' - 5706' were treated with a sand-water fracturing process on June 24, 1962. The Mesaverde Formation was shut-in on June 28, 1962, and after being shut-in for gauge for fourteen (14) days, the well was tested on July 12, 1962, and following a three (3) hour blow-down period the Mesaverde Formation gauged 4406 MCFGPD through a 3/4" choke and 5183 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1067 PSIA and an SIPT of 501 PSIA. The committed drilling block upon which this well

is located is described as the E/2 of Section 7, Township 27 North, Range 5 West, containing 320.00 acres.

This drilling block was included in the San Juan 27-5 Twenty-Seventh Expanded Participating Area for the Mesaverde Formation, effective December 1, 1961, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(b) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the acreage proved to be productive, as a result of the completion of said well in the Dakota Formation, will be included in the Second Expanded Participating Area of the Dakota Formation and a Notice of such Expansion will be sent by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Drawer 1857  
Roswell, New Mexico

August 22, 1962

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1962 plan of development dated July 25, 1962, for the San Juan 27-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of two dual Mesaverde - Dakota wells, one dual Pictured Cliffs - Mesaverde well, nine Pictured Cliffs wells and six Dakota wells, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

[Orig. Sgd.] JOHN A. ANDERSON

JOHN A. ANDERSON

Copy to: Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC - Santa Fe (ltr. only) ✓  
Com. of Pub. Lands - Santa Fe (ltr. only)

# El Paso Natural Gas Company

El Paso, Texas

August 10, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS AND TWENTIETH EXPANDED PARTI-  
CIPATING AREA, Pictured Cliffs  
Formation, effective July 1, 1962

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 three (3) 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:

1. The San Juan 27-5 Unit #74 Well, located 890' from the South line and 1650' from the East line of Section 23, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 24, 1962, and completed on June 19, 1962, in the Pictured Cliffs Formation at a total depth of 3433'. The Pictured Cliffs Formation in the intervals between 3322' - 3326', 3362' - 3366', 3376' - 3380' was treated with a sand-water fracturing process on June 16, 1962. The well was completed on June 19, 1962, as a tubingless completion and the well was shut-in on June 19, 1962. After being shut-in for seven (7) days, the Pictured Cliffs Formation was tested on June 26, 1962, and following a three (3) hour blow-down period gauged 2014 MCFGPD through a 3/4" choke, and 2091 MCFGPD by the calculated absolute open-flow method with an SIPC of 1032 PSIA. The committed drilling block

upon which this well is located is described as the E/2 of Section 23, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block is being included in the Twentieth Expanded Participating Area for the Pictured Cliffs Formation, effective July 1, 1962.

2. The San Juan 27-5 Unit #75 Well, located 790' from the South line and 890' from the West line of Section 23, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 25, 1962, and completed on June 14, 1962, in the Pictured Cliffs Formation at a total depth of 3409'. The Pictured Cliffs Formation in the intervals between 3313' - 3319', 3331' - 3337' was treated with a sand-water fracturing process on June 10, 1962. The well was completed on June 14, 1962, as a tubingless completion and the Pictured Cliffs Formation was shut-in on June 14, 1962. After being shut-in for twelve (12) days, the Pictured Cliffs Formation was tested on June 26, 1962, and following a three (3) hour blow-down period gauged 3538 MCFGPD through a 3/4" choke and 3948 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1075 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 23, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block is included in the San Juan 27-5 Unit Twentieth Expanded Participating Area for the Pictured Cliffs Formation, effective July 1, 1962.

3. The San Juan 27-5 Unit #77 Well, located 930' from the South line and 1650' from the East line of Section 8, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 28, 1962, and completed on June 14, 1962, as a tubingless completion in the Pictured Cliffs Formation at a total depth of 3591'. The Pictured Cliffs Formation in the intervals between 3475' - 3481', 3494' - 3500' was treated with a sand-water fracturing process on June 10, 1962. The well was completed on June 14, 1962, and the Pictured Cliffs Formation was shut-in on June 14, 1962. After being shut-in for twelve (12) days, the Pictured Cliffs Formation was tested on June 26, 1962, and following a three (3) hour blow-down period gauged 2786 MCFGPD through a 3/4" choke and 3029 MCFGPD by the calculated absolute open-flow method, with an SIPC of 997 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 8, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

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, 1962.

The completion of the San Juan 27-5 Unit #75 Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the E/2 of Section 22, 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 July 1, 1962, and a well must be commenced on this intervening drilling block by July 1, 1963.

Attached hereto is Schedule XXI showing the Twentieth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of July 1, 1962.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

# El Paso Natural Gas Company

El Paso, Texas

540

August 1, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL - Mesaverde 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 additional well capable of producing unitized substances in commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #70 (MD) Well, located 1650' from the North line and 1850' from the East line of Section 8, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 3, 1962, and completed on June 12, 1962, in the Mesaverde and Dakota Formations at a total depth of 7911'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 5170' - 5176', 5190' - 5196', 5220' - 5226', 5251' - 5257', 5620' - 5626', 5652' - 5658', 5671' - 5677', 5710' - 5716 were treated with a sand-water fracturing process on June 3, 1962. The Cliff House Section of the Mesaverde Formation in the intervals between 5170' - 5176',

5190' - 5196', 5220' - 5226', 5251' - 5257' was re-perforated and treated with a sand-water fracturing process on June 8, 1962. The Mesaverde Formation was shut-in on June 12, 1962, and after being shut-in for gauge for fourteen (14) days, the well was tested on June 26, 1962, and following a three (3) hour blow-down period the Mesaverde Formation gauged 1512 MCFGPD through a 3/4" choke and 1644 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1096 PSIA and an SIPT of 508 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 8, Township 27 North, Range 5 West, containing 320.00 acres.

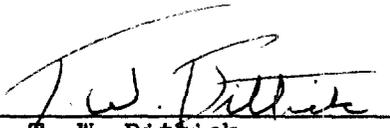
This drilling block was included in the San Juan 27-5 Twenty-Fifth Expanded Participating Area for the Mesaverde Formation, effective August 1, 1961, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(b) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 21, 1953, the acreage proved to be productive, as a result of the completion of said well in the Dakota Formation, will be included in the Second Expanded Participating Area of the Dakota Formation and a Notice of such Expansion will be sent by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
J. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

**SAN JUAN 27-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 West Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

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Rye, New York

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Rye, New York

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Mr. Pablo Candelaria  
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Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

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5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

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Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

July 25, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1962 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1961, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1961. Said Program provided for the drilling of two (2) Pictured Cliffs wells and eight (8) Pictured Cliffs-Mesaverde dual wells, one (1) Mesaverde well and one (1) Dakota well.

Ten (10) wells were completed in the San Juan 27-5 Unit during the calendar year 1961 and one (1) well commenced during the 1961 calendar year was completed during the 1962 calendar year. One (1) existing Mesaverde well was recompleted as a dual Pictured Cliffs-Mesaverde well. Three (3) wells were completed in the Pictured Cliffs Formation only, and three (3) wells were completed in the Mesaverde Formation only. Four (4) wells were dual completions in the Pictured Cliffs and Mesaverde Formations, and one (1) well was a dual completion in the Mesaverde-Dakota Formations. Eleven (11) of the drilling blocks are now included within the Participating Areas for the Pictured Cliffs and Mesaverde Formations and lands proven commercial will be included within the participating area for the Dakota Formation.

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

Pictured Cliffs	3
Mesaverde	21
Dual, Pictured Cliffs-Mesaverde	38
Dual, Mesaverde-Dakota	1
Dakota	1
Non-Commercial:	
Mesaverde	<u>1</u>
	65

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 described wells during the period from January 1, 1962, to December 31, 1962:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
*E/2 Sec. 7, T-27-N, R-5-W	Dual, Mesaverde-Dakota
*E/2 Sec. 8, T-27-N, R-5-W	Dual, Mesaverde-Dakota
*E/2 Sec. 28, T-27-N, R-5-W	Dual, Pictured Cliffs-Mesaverde
*W/2 Sec. 29, T-27-N, R-5-W	Pictured Cliffs
*E/2 Sec. 30, T-27-N, R-5-W	Pictured Cliffs
*E/2 Sec. 7, T-27-N, R-5-W	Pictured Cliffs
*E/2 Sec. 8, T-27-N, R-5-W	Pictured Cliffs
**E/2 Sec. 23, T-27-N, R-5-W	Pictured Cliffs
**W/2 Sec. 23, T-27-N, R-5-W	Pictured Cliffs
**E/2 Sec. 27, T-27-N, R-5-W	Pictured Cliffs
**E/2 Sec. 22, T-27-N, R-5-W	Pictured Cliffs
**W/2 Sec. 27, T-27-N, R-5-W	Pictured Cliffs
**E/2 Sec. 5, T-27-N, R-5-W	Dakota
**W/2 Sec. 6, T-27-N, R-5-W	Dakota
**W/2 Sec. 5, T-27-N, R-5-W	Dakota
**N/2 Sec. 9, T-27-N, R-5-W	Dakota
**S/2 Sec. 9, T-27-N, R-5-W	Dakota
**W/2 Sec. 3, T-27-N, R-5-W	Dakota

El Paso Natural Gas Company intends to drill the Pictured Cliffs wells to the base of the Pictured Cliffs Formation using rotary and cable tools. Surface casing will be set to approximately 100' from the surface and then a production string of casing will be set through the Pictured Cliffs Formation. Mud will be used in drilling through the Pictured Cliffs Formation and cable tools will be used for completion work. The entire Pictured Cliffs Formation will be subjected to a hydraulic fracturing process. Due care will be taken to protect all horizons.

\*Intervening drilling blocks - must be drilled in 1962.  
 \*\*Unit Development wells.

El Paso Natural Gas Company intends to drill the dual Pictured Cliffs-Mesaverde wells to the base of the Mesaverde Formation using rotary tools. Surface casing will be set to approximately 150' below the surface and an intermediate string will be set through the Pictured Cliffs Formation to a depth of approximately 3200'. A production liner will be set from this point through the Mesaverde Formation. The Mesaverde Formation will then be selectively perforated and subjected to a hydraulic fracturing process, after which a bridging plug will be set above the Mesaverde Formation and the Pictured Cliffs Formation will be selectively perforated and subjected to a hydraulic fracturing process. For completion, a production packer will be set between the two formations using 2" tubing to produce the Mesaverde Formation. A string of 1 $\frac{1}{4}$ " tubing will be run through which the Pictured Cliffs Formation will be produced. Mud will be used in setting the intermediate string of casing and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

El Paso Natural Gas Company intends to drill the dual Mesaverde-Dakota wells to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 150' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 3200', and then a production string casing will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A bridging plug will be used to separate the Mesaverde from the Dakota Formation and the Mesaverde Formation will be selectively perforated and subjected to a hydraulic fracturing process. A production packer will be run on tubing with the Dakota producing through the tubing and the Mesaverde producing through the casing. Due care will be taken to protect all horizons.

El Paso Natural Gas Company intends to drill the Dakota wells to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 300' and an intermediate string will be run if necessary, through the Pictured Cliffs Formation to a depth of approximately 3200', and then a production casing string will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing when said casing is run and the hole below the intermediate string of casing will be drilled with either mud or gas. Due care will be taken to protect all horizons.

All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their requests for additional drilling.

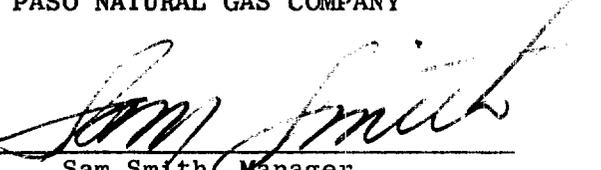
If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Sam Smith, Manager  
Land Department

SS:GWO:cah

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

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

APPROVED: *A. L. Satter, Jr.* DATE: *Jan 2, 1963*  
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 1962 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. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
P. O. Box 7336  
Albuquerque, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

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

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

July 10, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
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 #73 Well, located 890' from the South line and 1550' from the East line of Section 30, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on May 18, 1962, and completed on May 31, 1962 in the Pictured Cliffs Formation at a total depth of 3200'. The Pictured Cliffs Formation in the intervals between 3062' - 3068', 3080' - 3086', 3134' - 3140' was treated with a sand-water fracturing process on May 28, 1962. The well was completed as a tubingless completion on May 31, 1962, and the Pictured Cliffs Formation was shut-in on May 31, 1962. After being shut-in for thirteen (13) days, the Pictured Cliffs Formation was tested on June 13, 1962, and following a three (3) hour blow-down period gauged 790 MCFGPD through a 3/4" choke, and 794 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1079 PSIA. The committed drilling block upon which this well is located is

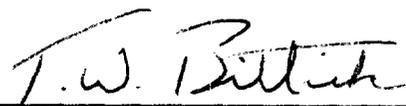
described as the E/2 of Section 30, Township 27 North,  
Range 5 West, N.M.P.M., containing 320.00 acres, more  
or less.

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

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

SAN JUAN 27-5 UNITS  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr. .  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee and Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine B.  
220 Shelby Street McElvain  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N:B:S: Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa Arizona

Mrs. Omega E. Quinn  
c/o Mildred Ellis  
P. O. Box 625  
Taos, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Southern Petroleum Exploration, Inc.  
Attention: Mr. John C. Wright  
P. O. Box 192  
Sistersville, West Virginia

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

March 16, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL - Mesaverde 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 additional well capable of producing unitized substances in commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #59 (MD) Well, located 990' from the North line and 800' from the East line of Section 6, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 6, 1961, and completed on December 19, 1961, in the Mesaverde and Dakota Formations at a total depth of 7870'. The Mesaverde Formation in the intervals between 5092' - 5104', 5110' - 5116', 5132' - 5138', 5490' - 5498', 5508' - 5512', 5524' - 5528', 5550' - 5554', 5560' - 5564', 5588' - 5596' was treated with a sand-water fracturing process on December 12, 1961. The Mesaverde Formation was shut-in on December 20, 1961, and after being shut-in for gauge for thirty-seven (37) days, the well was tested on January 26, 1962 and following a three (3) hour blow-down period the Mesaverde Formation gauged 7054 MCFGPD through a 3/4" choke,

and 9985 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1105 PSIA and an SIPT of 1082 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 6, Township 27 North, Range 5 West, containing 319.69 acres.

This drilling block was included in the San Juan 27-5 Twenty-Fourth Expanded Participating Area for the Mesaverde Formation, effective January 1, 1961, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(b) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 21, 1953, the acreage proved to be productive, as a result of the completion of said well in the Dakota Formation, will be included in the First Expanded Participating Area of the Dakota Formation and a Notice of such Expansion will be sent by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
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Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

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220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

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c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
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P. O. Box 4026, Station "A"  
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Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

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

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

March 16, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
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 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 #62 Well, located 940' from the North line and 765' from the East line of Section 6, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on December 29, 1961, and completed on January 15, 1962 in the Pictured Cliffs Formation at a total depth of 3400'. The Pictured Cliffs Formation in the intervals between 3296' - 3302', 3320' - 3326', 3334' - 3340' was treated with a sand-water fracturing process on January 10, 1962. The well was completed as a tubingless completion on January 15, 1962, and the Pictured Cliffs Formation was shut-in on January 15, 1962. After being shut-in for eleven (11) days, the Pictured Cliffs Formation was tested on January 26, 1962, and following a three (3) hour blow-down period gauged 915 MCFGPD through a 3/4" choke, and 922 MCFGPD by the

calculated absolute open-flow method, with an SIPC of 1042 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 6, Township 27 North, Range 5 West, N.M.P.M., containing 319.69 acres, more or less.

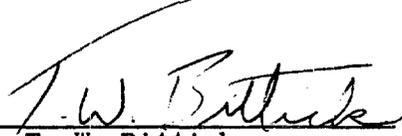
The foregoing drilling block was included in the San Juan 27-5 Unit Seventeenth Expanded Participating Area of the Pictured Cliffs Formation, effective January 1, 1961, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
T. W. Bittick

Assistant Manager  
Land Department

TWB:GWO:js

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
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Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
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Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
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Rye, New York

Mrs. Evelyn G. Brown  
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Rye, New York

Mr. James A. Brown  
Park Drive South  
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Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
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Des Moines, Iowa

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c/o T. H. Harrington  
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Mr. Forrest B. Miller  
220 Shelby Street  
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N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
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Farmington, New Mexico

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Scottsdale, Arizona

Mr. Joe Quinn  
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Mrs. Omega E. Quinn  
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P. O. Box 4026, Station "A"  
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Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

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

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

JAN 5 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P.O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND NINETEENTH EXPANDED PARTICIPATING  
AREA, Pictured Cliffs Formation  
Effective December 1, 1961

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 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:

1. The San Juan 27-5 Unit #8 (PM) Well, located 1650' from the South line and 1090' from the West line of Section 32, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on November 23, 1954, and completed on December 17, 1954, at a total depth of 5525'. The well was re-completed in the Mesaverde Formation at a total depth of 5525' and also completed in the Pictured Cliffs Formation on September 21, 1961. The Mesaverde producing tubing was pulled on July 13, 1961, and July 14, 1961. A HOWCO RTTS packer was set at 4487' on July 16, 1961. The Pictured Cliffs Formation in the intervals between 3238' - 3248', 3250' - 3258', 3264' - 3268', 3276' - 3284' was treated with a sand-water fracturing process on September 18, 1961. A Guiberson permanent production packer was set at 4435' on September 21,

1961. The Pictured Cliffs Formation was shut-in on September 21, 1961, and after being shut-in for gauge for fifty-five (55) days, the Pictured Cliffs Formation was tested on November 15, 1961, and following a three (3) hour blow-down period, the Pictured Cliffs Formation gauged 2414 MCFGPD through a 3/4" choke and 2498 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1062 PSIA and an SIPT of 1062 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 32, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block is being included in the San Juan 27-5 Unit Nineteenth Expanded Participating Area of the Pictured Cliffs Formation, effective December 1, 1961.

2. The San Juan 27-5 Unit #67 Well, located 990' from the North line and 1560' from the East line of Section 31, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 24, 1961, and completed on September 7, 1961, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5550'. The Pictured Cliffs Formation in the intervals between 3106' - 3114', 3122' - 3138', 3144' - 3152' was treated with a sand-water fracturing process on September 3, 1961. The well was completed on September 7, 1961, and the Pictured Cliffs Formation was shut-in on September 12, 1961. After being shut-in for sixty-three (63) days, the Pictured Cliffs Formation was tested on November 14, 1961, and following a three (3) hour blow-down period gauged 1204 MCFGPD through a 3/4" choke, and 1220 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1050 PSIA and an SIPT of 968 PSIA. The Committed drilling block upon which this well is located is described as the E/2 of Section 31, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block is being included in the Nineteenth Expanded Participating Area for the Pictured Cliffs Formation, effective December 1, 1961.

3. The San Juan 27-5 Unit #64 (PM) Well, located 890' from the South line and 800' from the West line of Section 9, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 12, 1961, and completed on October 26, 1961, in the Pictured Cliffs and Mesaverde

Formations at a total depth of 5937'. The Pictured Cliffs Formation in the intervals between 3562' - 3568', 3574' - 3580', 3586' - 3592' was treated with a sand-water fracturing process on October 22, 1961. The well was completed on October 26, 1961, and the Pictured Cliffs Formation was shut-in on November 8, 1961. After being shut-in for eight (8) days, the Pictured Cliffs Formation was tested on November 16, 1961, and following a three (3) hour blow-down period gauged 2799 MCFGPD through a 3/4" choke and 2952 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1037 PSIA and an SIPT of 969 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 9, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block was included in the San Juan 27-5 Unit Fifteenth Expanded Participating Area of the Pictured Cliffs Formation, effective November 1, 1960.

4. The San Juan 27-5 Unit #63 (PM) Well, located 850' from the South line and 1840' from the West line of Section 8, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 28, 1961, and completed on November 13, 1961, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5750'. The Pictured Cliffs Formation in the intervals between 3372' - 3376', 3380' - 3388', 3394' - 3398' was treated with a sand-water fracturing process on November 8, 1961. The well was completed on November 13, 1961, and the Pictured Cliffs Formation was shut-in on November 13, 1961. After being shut-in for seven (7) days, the Pictured Cliffs Formation was tested on November 20, 1961, and following a three (3) hour blow-down period gauged 5642 MCFGPD through a 3/4" choke and 7640 MCFGPD by the calculated absolute open-flow method, with an SIPC of 882 PSIA and an SIPT of 882 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 8, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block was included in the San Juan 27-5 Unit Eighteenth Expanded Participating Area of the Pictured Cliffs Formation, effective October 1, 1961.

The completion of the San Juan 27-5 Unit #63 Well in the Pictured Cliffs Formation creates two (2) intervening drilling blocks described as the E/2 of

Section 7, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, and the E/2 of Section 8, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. The completion of the San Juan 27-5 Unit #67 (PM) Well in the Pictured Cliffs Formation creates two (2) intervening drilling blocks described as the E/2 of Section 30, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, and the W/2 of Section 32, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. The completion of the San Juan 27-5 Unit #8 Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the W/2 of Section 29, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Pictured Cliffs Participating Area effective December 1, 1961, and a well must be commenced on each intervening drilling block by December 1, 1962.

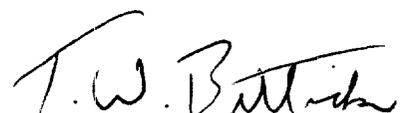
Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 21, 1953, the Mesaverde drilling block in which the San Juan 27-5 Unit #67 (PM) Well was also completed was included in the Twenty-Fourth Expanded Participating Area for the Mesaverde Formation as an intervening drilling block effective January 1, 1961. The Mesaverde drilling block in which the San Juan 27-5 Unit #8 Well was also completed was included in the Fourth Expanded Participating Area effective January 1, 1955. The Mesaverde drilling block in which the San Juan 27-5 Unit #63 Well was also completed was included in the Twenty-Fourth Expanded Participating Area as an intervening drilling block, effective January 1, 1961. The Mesaverde drilling block in which the San Juan 27-5 Unit #64 Well was also completed was included in the Twenty-Third Expanded Participating Area as an intervening drilling block, effective November 1, 1960. A Notice of Completion of Additional Wells and Twenty-Seventh Expanded Participating Area is being sent by separate letter.

Attached hereto is Schedule XX showing the Nineteenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of December 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

# El Paso Natural Gas Company

El Paso, Texas

December 29, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS AND TWENTY-SEVENTH EXPANDED  
PARTICIPATING AREA, Mesaverde  
Formation, Effective December 1, 1961

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 three (3) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the unit. These wells are as follows:

1. The San Juan 27-5 Unit #67 (PM) Well, located 990' from the North line and 1560' from the East line of Section 31, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 24, 1961, and completed on September 7, 1961, in the Mesaverde and Pictured Cliffs Formations at a total depth of 5550'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 4810' - 4822', 4834' - 4840', 5296' - 5306', 5334' - 5342', 5354' - 5362', 5370' - 5378' were perforated and treated with a sand-water fracturing process on September 2, 1961. The well was completed on September 7, 1961, and the Mesaverde Formation was shut-in on September 12, 1961. After being shut-in for gauge for fifty-one (51) days, the Mesaverde Formation was tested on November 2, 1961, and following a three (3) hour blow-down period

gauged 3362 MCFGPD through a 3/4" choke, and 5691 MCFGPD by the calculated absolute open-flow method, with a SIPC of 1043 PSIA, and a SIPT of 1077 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 31, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Twenty-Fourth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective January 1, 1961, as an intervening drilling block.

2. The San Juan 27-5 Unit #64 (PM) Well, located 890' from the South line and 800' from the West line of Section 9, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 12, 1961, and completed on October 26, 1961, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5937'. The Cliff House and Point Lookout Sections of the Mesaverde Formation at intervals between 5298' - 5302', 5320' - 5324', 5360' - 5364', 5382' - 5386', 5734' - 5740', 5770' - 5784', 5820' - 5826', were perforated and treated with a sand-water fracturing process on October 22, 1961. The well was completed on October 26, 1961, and the Mesaverde Formation was shut-in on October 27, 1961. After being shut-in for gauge for thirty-two (32) days, the Mesaverde Formation was tested on November 28, 1961, and following a three (3) hour blow-down period gauged 3133 MCFGPD through a 3/4" choke and 3817 MCFGPD by the calculated absolute open-flow method, with a SIPC of 1040 PSIA and a SIPT of 1104 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 9, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Twenty-Third Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, Effective November 1, 1960.

3. The San Juan 27-5 Unit #63 (PM) Well, located 850' from the South line and 1840' from the West line of Section 8, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 28, 1961, and completed on November 13, 1961 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5750'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 5054' - 5062', 5076' - 5080', 5148' - 5156', 5200' - 5204', 5574' - 5582', 5602' - 5610', 5620' - 5628', 5664' - 5672', were treated with a sand-water fracturing process on November 8, 1961. The well was completed on November 13, 1961 and the Mesaverde Formation was shut-in for gauge on November 13, 1961. After being shut-in for fifteen (15) days, the

Mesaverde Formation was tested on November 28, 1961 and following a three (3) hour blow-down period gauged 2933 MCFGPD through a 3/4" choke and 3478 MCFGPD by the calculated absolute open-flow method, with a SIPC of 947 PSIA and a SIPT of 1078 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 8, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Twenty-Fourth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective January 1, 1961.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Pictured Cliffs drilling block in which the San Juan 27-5 #64 (PM) Well was also completed was included in the Fifteenth Expanded Participating Area, of the Pictured Cliffs Formation, effective November 1, 1960; the Pictured Cliffs drilling block in which the San Juan 27-5 #63 (PM) Well was also completed was included in the Eighteenth Expanded Participating Area of the Pictured Cliffs Formation, effective October 1, 1961; the Pictured Cliffs drilling blocks in which the San Juan 27-5 Unit #8 (PM) Well and the San Juan 27-5 Unit #67 (PM) Well were also completed were included in the Nineteenth Expanded Participating Area of the Pictured Cliffs Formation, effective December 1, 1961.

The completion of the San Juan 27-5 Unit #63 Well in the Mesaverde Formation creates one (1) intervening drilling block described as the E/2 of Section 7, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Mesaverde Participating Area effective December 1, 1961, and a well must be commenced on this intervening drilling block by December 1, 1962.

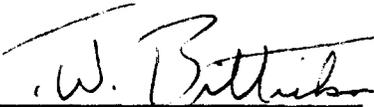
Attached is Schedule XXVIII showing the Twenty-Seventh Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of December 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas

October 31, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P.O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND EIGHTEENTH EXPANDED  
PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective October 1, 1961

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:

1. The San Juan 27-5 Unit #65 Well, located 890' from the North line and 1840' from the West line of Section 17, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 19, 1961 and completed on August 22, 1961, in the Pictured Cliffs Formation at a total depth of 3464'. The Pictured Cliffs Formation in the interval between 3385' - 3403', was treated with a sand-water fracturing process on August 8, 1961. The well was completed on August 22, 1961, and the Pictured Cliffs Formation was shut-in on August 22, 1961. After being shut-in for fifteen (15) days, the Pictured Cliffs Forma-

tion was tested on September 6, 1961, and following a three (3) hour blow-down period gauged 4634 MCFGPD through a 3/4" choke and 5857 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1000 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 17, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block was included in the Sixteenth Expanded Participating Area of the Pictured Cliffs Formation, effective December 1, 1960.

2. The San Juan 27-5 Unit #68 (PM) Well, located 890' from the North line and 990' from the East line of Section 33, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 10, 1961 and completed on August 23, 1961, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5599'. The Pictured Cliffs Formation in the intervals between 3258' - 3270', 3292' - 3298', 3308' - 3314', was treated with a sand-water fracturing process on August 20, 1961. The well was completed on August 23, 1961, and the Pictured Cliffs Formation was shut-in on August 23, 1961. After being shut-in for thirty (30) days, the Pictured Cliffs Formation was tested on September 22, 1961, and following a three (3) hour blow-down period gauged 1070 MCFGPD through a 3/4" choke and 1078 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1004 PSIA and an SIPT of 1004 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 33, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block was included in the San Juan 27-5 Unit Fourteenth Expanded Participating Area of the Pictured Cliffs Formation, effective September 1, 1960.

The completion of the San Juan 27-5 Unit #65 Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the W/2 of Section 8, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, and the completion of the San Juan 27-5 Unit #68 (PM) Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the E/2 of Section 28, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Pictured Cliffs Participating Area effective October 1, 1961, and a well must be commenced on each intervening drilling block by October 1, 1962.

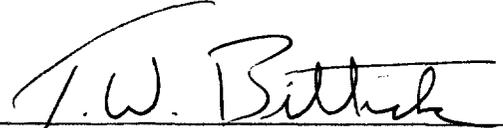
Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 21, 1953, the Mesaverde drilling block in which the San Juan 27-5 Unit #68 (PM) Well was also completed was included in the Twenty-Second Expanded Participating Area for the Mesaverde Formation, effective September 1, 1960. A Notice of Completion of an Additional Well will be sent by separate letter.

Attached hereto is Schedule XIX showing the Eighteenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of October 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah

# El Paso Natural Gas Company

El Paso, Texas

October 20, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde 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 additional well capable of producing unitized substances in commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

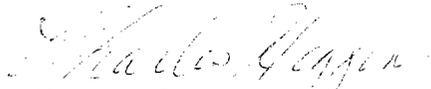
The San Juan 27-5 Unit #68 (PM) Well, located 890' from the North line and 990' from the East line of Section 33, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 10, 1961, and completed on August 23, 1961, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5599'. The Mesaverde Formation in the intervals between 5350' - 5356', 5410' - 5416', 5420' - 5426', 5432' - 5438', 5494' - 5502', 5508' - 5514' was treated with a sand-water fracturing process on August 20, 1961. The Mesaverde Formation was shut-in on August 23, 1961, and after being shut-in for gauge for fourteen (14) days, the well was tested on September 6, 1961 and following a three (3) hour blow-down period the Mesaverde Formation gauged 1978 MCFGPD through a 3/4" choke, and 2206 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1160 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 33, Township 27 North, Range 5 West, containing 320.00 acres.

This drilling block was included in the San Juan 27-5 Twenty-Second Expanded Participating Area of the Mesaverde Formation, effective September 1, 1960, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #68 Well was also completed will be expanded effective October 1, 1961, by separate letter.

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

Very truly yours,



Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Supr Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee & Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain and  
Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
P. O. Box 7336  
Albuquerque, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

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

SAN JUAN 27-5 UNIT  
Working Interest Owners  
Page 2

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Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

SEP 29 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Post Office Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Post Office Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND TWENTY-SIXTH EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective September 1, 1961

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 Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #66 Well, located 1090' from the South line and 990' from the West line of Section 27, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 27, 1961, and completed on August 9, 1961, in the Mesaverde Formation at a total depth of 5565'. The Mesaverde Formation in the intervals between 5222' - 5230', 5416' - 5426', 5434' - 5444', 5480' - 5490', 5500' - 5510' was perforated and treated

with a sand-water fracturing process on August 7, 1961. The well was completed on August 9, 1961, and the Mesaverde Formation was shut-in on August 9, 1961. After being shut-in for gauge for twenty (20) days, the Mesaverde Formation was tested on August 29, 1961, and following a three (3) hour blow-down period gauged 3535 MCFGPD through a 3/4" choke, and 3791 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1162 PSIA, and an SIPT of 1164 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 27, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Twenty-Second Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective September 1, 1960, as an intervening drilling block.

It was originally intended to dually complete the San Juan 27-5 Unit #66 Well in the Pictured Cliffs and Mesaverde Formations. However, due to the log characteristics, a completion was not attempted in the Pictured Cliffs Formation. The well was completed in the Mesaverde Formation only.

The completion of the San Juan 27-5 Unit #66 Well in the Mesaverde Formation creates one (1) intervening drilling block described as the E/2 of Section 28, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Mesaverde Participating Area effective September 1, 1961, and a well must be commenced on this intervening drilling block by September 1, 1962.

Attached is Schedule XXVII showing the Twenty-Sixth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of September 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas

September 11, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

544

Commissioner of Public Lands  
Of the State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
Pictured Cliffs Formation  
San Juan 27-5 #61 Well  
San Juan 27-5 #66 Well

Gentlemen:

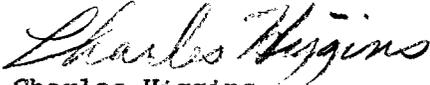
This letter is to inform you that El Paso Natural Gas Company, as Unit Operator, has completed the San Juan 27-5 Unit #61 Well located in the E/2 of Section 5, Township 27 North, Range 5 West and the San Juan 27-5 Unit #66 Well located in the W/2 of Section 27, Township 27 North, Range 5 West in the Mesaverde formation only.

It was originally proposed that these wells would be dually completed in the Pictured Cliffs and Mesaverde formations, but after a thorough evaluation of the logs through the Pictured Cliffs formation, it was determined that no attempt would be made to complete the subject wells in the Pictured Cliffs formation.

The wells were completed in the Mesaverde formation and Notice of Completion of Additional Wells have been or will be sent by separate letter.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,

  
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js  
Attachment

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central National Bank & Trust Co.,  
Trustee & Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain and  
Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

N. B. S. Corporation  
c/o Robert E. Fox, Attorney at Law  
P. O. Box 1713  
Santa Fe, New Mexico

Northwest Production Corporation  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation  
Attention: Mr. L. O. Speer, Jr.  
P. O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
P. O. Box 7336  
Albuquerque, New Mexico

Riasan Company  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

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

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

August 21, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Post Office Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Post Office Box 871  
Santa Fe, New Mexico

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND TWENTY-FIFTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective August 1, 1961

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 Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #61 Well, located 1700' from the North line and 1850' from the East line of Section 5, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 28, 1961, and completed on June 24, 1961, in the Mesaverde Formation at a total depth of 5819'. The Mesaverde Formation in the intervals between 5624' - 5632', 5646' - 5656', 5694' - 5700', 5708' - 5714', 5718' - 5724', 5746' - 5754' was perforated and treated with a water fracturing process on June 16, 1961. The well was completed on June 24, 1961, and the Mesaverde Formation was shut-in on June 24, 1961. After being shut-in for gauge for seventeen (17) days, the Mesaverde Formation was tested on July 11, 1961, and following a three (3) hour blow-down period gauged 1749 MCFGPD through a 3/4" choke and 1796 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1128 PSIA. The committed drilling block upon

which this well is located is described as the E/2 of Section 5, Township 27 North, Range 5 West, N.M.P.M., containing 320.27 acres.

The foregoing drilling block was included in the Twenty-Fourth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective January 1, 1961 as an intervening drilling block.

It was originally intended to dually complete the San Juan 27-5 Unit #61 Well in the Pictured Cliffs and Mesaverde Formations. However, due to the log characteristics a completion was not attempted in the Pictured Cliffs Formation. The well was completed in the Mesaverde Formation only.

The completion of the San Juan 27-5 Unit #61 Well in the Mesaverde Formation creates one (1) intervening drilling block described as the E/2 of Section 8, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Mesaverde Participating Area effective August 1, 1961 and a well must be commenced on this intervening drilling block by August 1, 1962.

Attached is Schedule XXVI showing the Twenty-Fifth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of August 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas

July 14, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 791  
Santa Fe, New Mexico

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

Re: San Juan 27-5 Unit #14-08-001-950  
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 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 #58 Well, located 990' from the South line and 1600' from the West line of Section 20, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on April 15, 1961, and completed on May 12, 1961 in the Pictured Cliffs Formation at a total depth of 3467'. The Pictured Cliffs Formation in the intervals between 3352' - 3360', 3390' - 3400', 3406' - 3414' was treated with a sand-water fracturing process on May 3, 1961. The well was completed on May 12, 1961, and the Pictured Cliffs Formation was shut-in on May 12, 1961. After being shut-in for fourteen (14) days, the Pictured Cliffs Formation was tested on May 26, 1961, and following a three (3) hour blow-down period gauged 1298 MCFGPD through a 3/4" choke, and 1319 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1030#. The committed drilling block upon which this well is located is described as the W/2 of Section 20, T-27-N, R-5-W, N.M.P.M., containing 320.00 acres, more or less.

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 19, Texas

Mr. J. R. Abercrombie  
P.O. Box 224  
Bellaire, Texas

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Mrs. Evelyn Ellen Wallace &  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. Sam Dazzo & Frances Joy Dazzo  
615 Simms Building  
Albuquerque, New Mexico

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

Estate of G. F. Harrington  
Central Nat'l Bank & Trust Co., Trustee & Executor  
5th and Locust Streets  
Des Moines, Iowa

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P.O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mr. T. H. McElvain & Catherine McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. L. O. Speer, Jr.  
P.O. Box 480  
Farmington, New Mexico

Mr. H. O. Pool  
P.O. Box 1585  
Scottsdale, Arizona

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
P.O. Box 7336  
Albuquerque, New Mexico

Riasan Company  
P.O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. M. A. Romero  
P.O. Box 2011  
Santa Fe, New Mexico

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

SAN JUAN 27-5 UNIT  
Working Interest Owners  
Page 2

NBS Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P.O. Box 1713  
Santa Fe, New Mexico

Mr. Robert P. Tinnin  
P.O. Box 896  
Albuquerque, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

May 2, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 791  
Santa Fe, New Mexico

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF APPROVAL OF  
1961 DRILLING PROGRAM

Gentlemen:

The 1961 Drilling Program for the San Juan 27-5 Unit was approved by the regulatory bodies on the following dates:

1. Regional Oil and Gas Supervisor,  
United States Geological Survey - March 13, 1961
2. Commissioner of Public Lands - April 5, 1961
3. Oil Conservation Commission - April 28, 1961

Copies of this letter are being sent to all the working interest owners in the San Juan 27-5 Unit.

Very truly yours,



Charles Higgins  
Area Coordinator  
Land Department

O CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

April 28, 1961

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

Attention: Mr. Sam Smith

Re: 1961 Plan of Development  
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 1961 Plan of Development 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 plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/JEK/ig

cc: US Geological Survey  
Roswell, New Mexico

Commissioner of Public Land  
Santa Fe, New Mexico

# *El Paso Natural Gas Company*

*El Paso, Texas*

April 20, 1961

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Post Office Box 1837  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 791  
Santa Fe, New Mexico

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

Re: San Juan 27-5 Unit #14-08-001-950

Gentlemen:

You will find enclosed herewith the following listed attachments which relate to the San Juan 27-5 Unit Area.

1. Letter dated February 16, 1961 from the Acting Director of the United States Geological Survey, Washington, D. C.
2. San Juan 27-5 Unit Fourteenth Expanded Participating Area, Pictured Cliffs Formation, effective September 1, 1960.
3. San Juan 27-5 Unit Fifteenth Expanded Participating Area, Pictured Cliffs Formation, effective November 1, 1960.
4. San Juan 27-5 Unit Sixteenth Expanded Participating Area, Pictured Cliffs Formation, effective December 1, 1960.
5. San Juan 27-5 Unit Seventeenth Expanded Participating Area, Pictured Cliffs Formation, effective January 1, 1961.
6. San Juan 27-5 Unit Twenty-Second Expanded Participating Area, Mesaverde Formation, effective September 1, 1960.
7. San Juan 27-5 Unit Twenty-Third Expanded Participating Area, Mesaverde Formation, effective November 1, 1960.

8. San Juan 27-5 Unit Twenty-Fourth Expanded Participating Area, Mesaverde Formation effective January 1, 1961.
9. San Juan 27-5 Unit plats which reflect the above set out expansions.

The schedules setting out the percentages of ownership in the Pictured Cliffs and Mesaverde Formations have all been revised in order to reflect the changes requested by Mr. Baker in his letter of February 16, 1961.

Please change your records to reflect the percentages of ownership as set out in the schedules attached to the enclosed expansions.

It is our belief that the enclosed letter is self-explanatory, however, should you have any additional questions about this matter please do not hesitate to call on us.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah  
Attachments





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P.O. Box 5721  
Roswell, New Mexico

March 13, 1961

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

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development for 1961, dated January 6, 1961 for the San Juan 27-5 unit area, Rio Arriba County, New Mexico, which proposes the drilling of two Pictured Cliffs formation wells, one Mesaverde formation well, one Dakota formation well and seven wells to be dually completed in the Mesaverde and Pictured Cliffs formations, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

*[Signature]*

JOHN R. ANDERSON  
Regional Oil and Gas Supervisor

7  
Cop. to: Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC, Santa Fe (ltr. only)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WASHINGTON 25, D. C.

FEB 16 1961

El Paso Natural Gas Company  
Post Office Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

Gentlemen:

Your letter of November 18 gave notice of and transmitted a revised schedule XXIII for the Twenty-Second Expanded Mesaverde Participating Area, San Juan 27-5 unit, New Mexico, because of changes in descriptions of the Federal lands involved on the Bureau of Land Management resurvey plat approved August 23, 1960. Your letter indicates that it is necessary to make such changes because of the provisions of sections 2 and 11(a) of the unit agreement.

We do not believe that a revised schedule for such reason is permissible under the terms of the unit agreement unless such acreage corrections are applied to all lands within the participating area without regard to type of ownership. An examination of the new survey plat reveals that the acreage within the unit area, which is all of the township covered by the plat, has been reduced from 23,043.99 acres to 22,920.71 acres by recalculating acreage for Federal lands only. As to the participating area, the reduction is from 16,325.14 acres to 16,225.89 acres because of a reduction in Federal acreage from 12,245.87 to 12,146.62 while the 4,079.27 acres of non-Federal lands remain unchanged despite the evident differences in the courses and distances which bound such lands.

Accordingly, we deem the proposed revision of said schedule unacceptable, and we hereby request that you give notice to all parties who received said notice that the original schedule XXIII is still effective and that this revision is cancelled. Please prepare all subsequent schedule revisions based upon the last approved survey in effect as of the effective date of the initial participating area, in accordance with established practice of such freezing of the applicable surveys. You will recall that for some time our designation letters have required insertion of clarifying language to this end in the "Participation After Discovery" section of the unit agreement, and our standard form has been so modified.

Very truly yours,

Acting Director

*Handwritten notes:*  
46  
27-5  
2/16

# El Paso Natural Gas Company

El Paso, Texas

January 31, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
TWENTY-FOURTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective January 1, 1961

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 two (2) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the unit. These wells are as follows:

1. The San Juan 27-5 Unit #53 (PM) Well, located 800' from the South line and 1050' from the West line of Section 5, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 23, 1960, and completed on December 14, 1960, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5840'. The Cliff House and Point Lookout Sections of the Mesaverde Formation at intervals between 5218'-5226'; 5232'-5238'; 5274'-5284'; 5662'-5672'; 5690'-5698'; 5704'-5712', 5716'-5722'; 5746'-5756'; were perforated and treated with a sand-water fracturing process on December 8, 1960. The well was completed on December 14, 1960, and the Mesaverde Formation was shut-in on December 14, 1960.

After being shut-in for gauge for seven (7) days, the Mesaverde Formation was tested on December 21, 1960, and following a three (3) hour blow-down period gauged 3824 MCFGPD through a 3/4" choke and 5409 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1044#. The committed drilling block upon which this well is located is described as the W/2 of Section 5, Township 27 North, Range 5 West, N.M.P.M., containing 319.81 acres.

2. The San Juan 27-5 Unit #54 Well, located 1700' from the South line and 800' from the West line of Section 31, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 7, 1960, and completed on November 25, 1960 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5550'. The Cliff House, and Point Lookout Sections of the Mesaverde Formation in the intervals between 4886'-4894'; 4932'-4940'; 4944'-4950'; 4964'-4970'; 4980'-4990'; 5412'-5420'; 5430'-5440'; 5444'-5454'; 5462'-5470'; 5484'-5490' were treated with a sand-water fracturing process on November 21, 1960. The well was completed on November 25, 1960 and the Mesaverde Formation was shut-in for gauge on November 25, 1960. After being shut-in for seven (7) days, the Mesaverde Formation was tested December 2, 1960 and following a three (3) hour blow-down period gauged 2884 MCFGPD through a 3/4" choke and 3395 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1068#. The committed drilling block upon which this well is located is described as the W/2 of Section 31, Township 27 North, Range 5 West, N.M.P.M., containing 319.08 acres.

The foregoing wells are being included in the Twenty-Fourth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective January 1, 1961.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Pictured Cliffs drilling blocks in which the San Juan 27-5 Unit #53 (PM) Well and the San Juan 27-5 Unit #54 (PM) Well were also completed will be included in the Seventeenth Expanded Participating Area of the Pictured Cliffs Formation, effective January 1, 1961. Notice of said expansion will be sent by separate letter.

The completion of the San Juan 27-5 Unit #53 (PM) Well in the Mesaverde Formation creates three (3) intervening drilling blocks described as the E/2 of Section 5, Township 27 North, Range 5 West, containing 320.27 acres, and the E/2 of Section 6, Township 27 North, Range 5 West, containing 319.69 acres, and the W/2 of Section 8, Township 27 North, Range 5 West, containing 320.00 acres. The completion of the San Juan 27-5 Unit #54 (PM) Well creates one intervening drilling block described as the E/2 of Sec. 31, T-27-N, R-5-W, containing 320.00 acres.

Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Mesaverde participating area effective January 1, 1961 and a well must be commenced on each of these intervening drilling blocks by January 1, 1962.

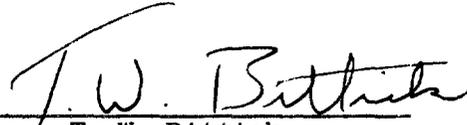
Attached is Schedule XXV showing the Twenty-Fourth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of January 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:jac

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas

January 24, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
SEVENTEENTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective January 1, 1961

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 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:

1. The San Juan 27-5 Unit #53 (PM) Well, located 800' from the South line and 1050' from the West line of Section 5, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 23, 1960 and completed on December 14, 1960 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5840'. The Pictured Cliffs Formation in the intervals between 3472' - 3484', 3492' - 3500', 3504' - 3516' was treated with a sand-water fracturing process on December 8, 1960. The well was completed on December 14, 1960, and the Pictured Cliffs

Formation was shut-in on December 14, 1960. After being shut-in for Fourteen (14) days, the Pictured Cliffs Formation was tested on December 28, 1960, and following a three (3) hour blow-down period gauged 1706 MCFGPD through a 3/4" choke and 1736 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1007# and an SIPT of 1007#. The committed drilling block upon which this well is located is described as the W/2 of Section 5, Township 27 North, Range 5 West, N.M.P.M., containing 319.81 acres, more or less.

2. The San Juan 27-5 Unit #54 (PM) Well, located 1700' from the South line and 800' from the West line of Section 31, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 7, 1960 and completed on November 25, 1960 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5550'. The Pictured Cliffs Formation in the intervals between 3160' - 3168', 3216' - 3232', 3248' - 3256' was treated with a sand-water fracturing process on November 21, 1960. The well was completed on November 25, 1960 and the Pictured Cliffs Formation was shut-in on November 25, 1960. After being shut-in for thirty-two (32) days, the Pictured Cliffs Formation was tested on December 27, 1960, and following a three (3) hour blow-down period gauged 3142 MCFGPD through a 3/4" choke and 3346 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1048# and an SIPT of 1051#. The committed drilling block upon which this well is located is described as the W/2 of Section 31, Township 27 North, Range 5 West, N.M.P.M., containing 319.08 acres, more or less.

The foregoing drilling blocks are included in the San Juan 27-5 Unit Seventeenth Expanded Participating Area of the Pictured Cliffs Formation, effective January 1, 1961.

The completion of the San Juan 27-5 Unit #53 (PM) Well in the Pictured Cliffs Formation creates two (2) intervening drilling blocks described as the E/2 of Section 5, Township 27 North, Range 5 West, N.M.P.M., containing 320.27 acres, and the E/2 of Section 6, Township 27 North, Range 5 West, N.M.P.M., containing 319.69 acres. Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Pictured Cliffs Participating Area effective January 1, 1961, and a well must be commenced on each intervening drilling block by January 1, 1962.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation in which the San Juan 27-5 Unit #53 (PM) Well and the San Juan 27-5 Unit #54 (PM) Well were also completed will be expanded effective January 1, 1961, by separate letter.

Attached hereto is Schedule XVIII showing the Seventeenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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 provisions is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of January 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah

# El Paso Natural Gas Company

El Paso, Texas

December 20, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
SIXTEENTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective December 1, 1960

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 #49 (PM) Well, located 1090' from the North line and 800' from the East line of Section 18, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 22, 1960, and completed on November 5, 1960, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5715'. The Pictured Cliffs Formation in the intervals between 3312' - 3324', 3334' - 3342' was treated with a sand-water fracturing process on November 2, 1960. The well was completed on November 5, 1960, and the Pictured Cliffs

Formation was shut-in on November 6, 1960. After being shut-in for seventeen (17) days, the Pictured Cliffs Formation was tested on November 23, 1960, and following a three (3) hour blow-down period gauged 1348 MCFGPD through a 3/4" choke and 1361 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1081# and an SIPT of 1081#. The committed drilling block upon which this well is located is described as the E/2 of Section 18, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block is included in the San Juan 27-5 Unit Sixteenth Expanded Participating Area of the Pictured Cliffs Formation, effective December 1, 1960.

The completion of the San Juan 27-5 Unit #49 (PM) Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the W/2 of Section 17, 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, 1960, and a well must be commenced on this said intervening drilling block by December 1, 1961.

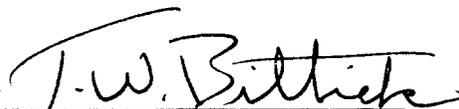
Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation drilling block in which the San Juan 27-5 Unit #49 (PM) Well was also completed was included in the Twenty-First Expanded Participating Area of the Mesaverde Formation, effective December 1, 1959, and a Notice of Completion was sent by separate letter.

Attached hereto is Schedule XVII showing the Sixteenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of December 1, 1960.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

December 8, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde 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 additional well capable of producing unitized substances in commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #49 (PM) Well, located 1090' from the North line and 800' from the East line of Section 18, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 22, 1960, and completed on November 5, 1960, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5715'. The Cliff House Section of the Mesaverde Formation in the intervals between 5480' - 5488', 5512' - 5520', 5536' - 5542', 5552' - 5556', 5558' - 5564', 5574' - 5582', 5592' - 5596', 5600' - 5608' was treated with a sand-water fracturing process on November 2, 1960. The Mesaverde Formation was shut-in on November 6, 1960, and after being shut-in for gauge for nine (9) days, the well was tested on November 15, 1960, and following a three (3) hour blow-down period the Mesaverde Formation gauged 2838 MCFGPD through a 3/4" choke, and 3323 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1097#. The committed drilling block upon which this well is located is described as the E/2 of Section 18, Township 27 North, Range 5 West, containing 320.00 acres.

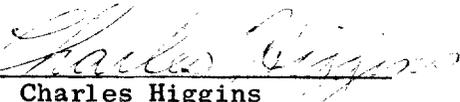
This drilling block was included in the San Juan 27-5 Twenty-First Expanded Participating Area of the Mesaverde Formation, effective December 1, 1959, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #49 Well was also completed will be expanded effective December 1, 1960, by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:cah

WORKING INTEREST OWNERS  
SAN JUAN 27-5 UNIT

General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas  
Attention: Mr. James W. Goss

Mr. L. O. Speer, Jr. (12)  
Pan American Petroleum Corporation  
Post Office Box 480  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
Park Drive South  
Rye, New York

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
c/o T. H. Harrington  
P.O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P.O. Box 224  
Bellaire, Texas

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby St.  
Santa Fe, New Mexico

Mr. H. O. Pool  
P.O. Box 1585  
Scottsdale, Arizona

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
Park Drive South  
Rye, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

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

Mr. Donald Anderson  
Hondo Oil & Gas Company  
Post Office Box 660  
Roswell, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. M. A. Romero  
P.O. Box 2011  
Santa Fe, New Mexico

Mr. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
Estate of N. B. Stern  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. W. E. Alsup  
320 East Chuska  
Aztec, New Mexico

Mrs. Omega E. Quinn  
4127 Hyer, Apt. 44  
Dallas 5, Texas

Mr. Robert P. Tinnin  
P.O. Box 896  
Albuquerque, New Mexico

Mr. Forrest B. Miller  
220 Shelby St.  
Santa Fe, New Mexico

Central National Bank & Trust Company  
Trustee & Ancillary Executor of the  
Estate of G. F. Harrington  
5th and Locust Sts.  
Des Moines, Iowa

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

John L. Abercrombie  
841 San Jacinto Building  
Houston 2, Texas

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mrs. Evelyn Ellen Wallace & Mr.  
James A. Brown, Trustees under the  
Last Will & Testament of  
Algernon W. Brown  
Park Drive South  
Rye, New York

# El Paso Natural Gas Company

El Paso, Texas

December 8, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
TWENTY-THIRD EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective November 1, 1960

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 Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #52 (PM) Well, located 800' from the South line and 800' from the West line of Section 4, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 8, 1960, and completed on August 26, 1960, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5837'. The Cliff House and Point Lookout Sections of the Mesaverde Formation at intervals between 5220' - 5226', 5248' - 5258', 5264' - 5272', 5616' - 5626', 5632' - 5638', 5646' - 5652', 5656' - 5662', 5666' - 5672', 5678' - 5684', 5690' - 5696', 5704' - 5710', 5716' - 5722' were perforated and treated with

a sand-water fracturing process on August 22, 1960. The well was completed on August 26, 1960, and the Mesaverde Formation was shut-in on August 26, 1960. After being shut-in for gauge for forty-five (45) days, the Mesaverde Formation was tested on October 10, 1960, and following a three (3) hour blow-down period gauged 4687 MCFGPD through a 3/4" choke and 7949 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1111#. The committed drilling block upon which this well is located is described as the W/2 of Section 4, Township 27 North, Range 5 West, N.M.P.M., containing 320.23 acres.

The foregoing drilling block is being included in the Twenty-Third Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective November 1, 1960.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Pictured Cliffs drilling block in which the San Juan 27-5 Unit #52 (PM) Well was also completed will be included in the Fifteenth Expanded Participating Area of the Pictured Cliffs Formation, effective November 1, 1960. Notice of said expansion will be sent by separate letter.

The completion of the San Juan 27-5 Unit #52 (PM) Well in the Mesaverde Formation creates two (2) intervening drilling blocks described as the W/2 of Section 9, Township 27 North, Range 5 West, containing 320.00 acres, and the E/2 of Section 4, Township 27 North, Range 5 West, containing 319.69 acres. Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Mesaverde Participating Area effective November 1, 1960, and a well must be commenced on each of said intervening drilling blocks by November 1, 1961.

Attached is Schedule XXIV showing the Twenty-Third Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of November 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas  
December 8, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
FIFTEENTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective November 1, 1960

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 #52 (PM) Well, located 800' from the South line and 800' from the West line of Section 4, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 8, 1960 and completed on August 26, 1960 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5837'. The Pictured Cliffs Formation in the intervals between 3464' - 3482', 3490' - 3510' was treated with a sand-water fracturing process on August 22, 1960. The well was completed on August 26, 1960 and the Pictured Cliffs Formation was shut-in on August 26, 1960. After being shut-in for sixty-one (61) days, the Pictured Cliffs Formation was tested on October 26, 1960, and following a three (3) hour blow-down period gauged 1298 MCFGPD through a 3/4" choke and 1312 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1110# and an SIPT of 1109#. The committed drilling block upon which this well is located is described as the W/2 of Section 4, Township 27 North, Range 5 West, N.M.P.M., containing 320.23 acres, more or less.

The foregoing drilling block is included in the San Juan 27-5 Unit Fifteenth Expanded Participating Area of the Pictured Cliffs Formation, effective November 1, 1960.

The completion of the San Juan 27-5 Unit #52 (PM) Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the W/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 November 1, 1960, and a well must be commenced on this said intervening drilling block by November 1, 1961.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation drilling block in which the San Juan 27-5 Unit #52 (PM) Well was also completed will be included in the Twenty-Third Expanded Participating Area of the Mesaverde Formation, effective November 1, 1960, to be sent by separate letter.

Attached hereto is Schedule XVI showing the Fifteenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of November 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

Attachments

# El Paso Natural Gas Company

El Paso, Texas

November 18, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Notice of Revision of Schedule XXIII  
Twenty-Second Expanded Participating  
Area, Mesaverde Formation,  
Effective September 1, 1960

Gentlemen:

Pursuant to the provisions of Sections 2 and 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, has revised Schedule XXIII of the Twenty-Second Expanded Participating Area for the Mesaverde Formation in order for said schedule to correctly reflect the changes in the descriptions that have resulted from the resurvey of the subject township. These changes in descriptions are shown on that certain plat accepted August 23, 1960, by the Acting Cadastral Engineering Staff Officer for the Director of the Bureau of Land Management. The effective date of the enclosed revised Schedule XXIII is September 1, 1960.

Copies of this letter and attachments are being sent to the working interest owners of the San Juan 27-5 Unit, as shown on the attached list.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah  
Attachments

# El Paso Natural Gas Company

El Paso, Texas

November 18, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Notice of Revision of Schedule XV,  
Fourteenth Expanded Participating  
Area, Pictured Cliffs Formation,  
Effective September 1, 1960

Gentlemen:

Pursuant to the provisions of Sections 2 and 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, has revised Schedule XV of the Fourteenth Expanded Participating Area for the Pictured Cliffs Formation in order for said schedule to correctly reflect the changes in the descriptions that have resulted from the resurvey of the subject township. These changes in descriptions are shown on that certain plat accepted August 23, 1960, by the Acting Cadastral Engineering Staff Officer for the Director of the Bureau of Land Management. The effective date of the enclosed revised Schedule XV is September 1, 1960.

Copies of this letter and attachments are being sent to the working interest owners of the San Juan 27-5 Unit, as shown on the attached list.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah  
Attachments

# El Paso Natural Gas Company

El Paso, Texas

September 23, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
TWENTY-SECOND EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective September 1, 1960

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 Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #56 (PM) Well, located 1600' from the South line and 990' from the West line of Section 34, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 29, 1960, and completed on July 16, 1960, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5627'. The Cliff House and Point Lookout Sections of the Mesaverde Formation at intervals between 4874' - 4878', 4886' - 4890', 4962' - 4968', 4996' - 5004', 5266' - 5274', 5426' - 5436', 5482' - 5490', 5496' - 5500', 5504' - 5510', 5524' - 5530', 5536' - 5540', 5544' - 5550' were perforated and

treated with a sand-water fracturing process on July 11, 1960. The well was completed on July 16, 1960, and the Mesaverde Formation was shut-in on July 16, 1960. After being shut-in for gauge for twenty (20) days, the Mesaverde Formation was tested on August 5, 1960, and following a three (3) hour blow-down period gauged 2347 MCFGPD through a 3/4" choke and 2687 MCFGPD by the calculated absolute open-flow method, with an SIPT of 965#. The committed drilling block upon which this well is located is described as the W/2 of Section 34, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block is being included in the Twenty-Second Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective September 1, 1960.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Pictured Cliffs drilling block in which the San Juan 27-5 Unit #56 (PM) Well was also completed will be included in the Fourteenth Expanded Participating Area of the Pictured Cliffs Formation effective September 1, 1960. Notice of said expansion will be sent by separate letter.

The completion of the San Juan 27-5 Unit #56 (PM) Well in the Mesaverde Formation creates two (2) intervening drilling blocks described as the W/2 of Section 27, Township 27 North, Range 5 West, containing 320.00 acres, and the E/2 of Section 33, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Mesaverde Participating Area effective September 1, 1960, and a well must be commenced on said intervening drilling blocks by September 1, 1961.

Attached is Schedule XXIII showing the Twenty-Second Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of September 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

September 22, 1960

13

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
FOURTEENTH EXPANDED PARTICIPATING  
AREA, Pictured Cliffs Formation,  
Effective September 1, 1960

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 #56 (PM) Well, located 1650' from the South line and 990' from the West line of Section 34, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 29, 1960 and completed on July 16, 1960 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5627'. The Pictured Cliffs Formation in the intervals between 3238' - 3246', 3276' - 3286', 3296' - 3302' was treated with a sand-water fracturing process on July 12, 1960. The well was completed on July 16, 1960 and the Pictured Cliffs Formation was shut-in on July 16, 1960. After being shut-in for forty (40) days, the Pictured Cliffs Formation was tested on August 25, 1960, and following a three (3) hour blow-down period gauged 1277 MCFGPD through a 3/4" choke and 1289 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1052#. The committed drilling block upon which this well is located is described

as the W/2 of Section 34, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block is included in the San Juan 27-5 Unit Fourteenth Expanded Participating Area of the Pictured Cliffs Formation, effective September 1, 1960.

The completion of the San Juan 27-5 Unit #56 (PM) Well in the Pictured Cliffs Formation creates two (2) intervening drilling blocks described as the W/2 of Section 27, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres and the E/2 of Section 33, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Pictured Cliffs Participating Area effective September 1, 1960, and a well must be commenced on each said intervening drilling block by September 1, 1961.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation drilling block in which the San Juan 27-5 Unit #56 (PM) Well was also completed will be included in the Twenty-Second Expanded Participating Area of the Mesaverde Formation, effective September 1, 1960, to be sent by separate letter.

Attached hereto is Schedule XV showing the Fourteenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of September 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

Attachments

# El Paso Natural Gas Company

El Paso, Texas

August 31, 1960

MAIL OFFICE 000  
1960 SEP 6 AM 7:20

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Case # 542

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF A NON-  
COMMERCIAL WELL, Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement Number 14-08-001-950, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that the following described well, completed on lands committed to the San Juan 27-5 Unit, is not capable of producing unitized substances in paying quantities from the Mesaverde Formation.

This well is as follows:

The San Juan 27-5 Unit #55-1 Well, located 1040' from the North line and 990' from the East line of Section 1, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 31, 1960, and completed on June 21, 1960 in the Mesaverde Formation at a total depth of 6560'. The Cliff House, Menefee and Point Lookout Sections of the Mesaverde Formation in the intervals between 5954' - 5962', 5986' - 5998', 6172' - 6200', 6366' - 6390', 6428' - 6442', 6466' - 6488' were treated with a sand-water fracturing process on June 14, 1960. The Menefee and Point Lookout Formations in the intervals between 6172' - 6200', 6220' - 6228', 6366' - 6390', 6428' - 6442', 6466' - 6480' were treated again with a sand-water fracturing process on June 17, 1960. The well was shut-in for final gauge on July 14, 1960 and after being shut-in for seven (7) days the well was tested on July 21, 1960 and following a three (3) hour blow-down period gauged 1095 MCFGPD through a 3/4" choke

and 1187 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1088# and an SIPT of 1002#. The committed drilling block upon which this well is located is described as the E/2 of Section 1, Township 27 North, Range 5 West, N.M.P.M., containing 320.06 acres.

The determination that the foregoing well is non-commercial was made on July 21, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

cc: Attached List

San Juan 27-5 Unit  
Working Interest Owners

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. L. O. Speer, Jr. (12)  
Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
150 Wildwood Way  
Woodside, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. T. H. McElvain  
Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 ~~Axtell~~ Drive  
Scarsdale, New York

Mr. W. E. Alsup  
320 E. Chuska  
Aztec, New Mexico

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

Mr. Donald Anderson  
Hondo Oil & Gas Co.  
P. O. Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Co.  
311 Equitable Building  
Denver 2, Colorado

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
4127 Hyer, Apt. 44  
Dallas 5, Texas

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Central National Bank and Trust Co.,  
Trustee and Ancillary Executor of the  
Estate of Gerald F. Harrington, Dec'd  
5th and Locust Streets  
Des Moines, Iowa

Mr. Pablo Candelaria  
Aztec, New Mexico

El Paso Natural Gas Company

El Paso, Texas

June 30, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
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 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 #51 (PM) Well, located 1660' from the South line and 1600' from the West line of Section 28, Township 27 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on March 31, 1960 and completed on April 19, 1960 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5608'. The Pictured Cliffs Formation in the intervals between 3192' - 3203', 3234' - 3244', 3252' - 3260' was treated with a sand-water fracturing process on April 14, 1960. The well was completed on April 19, 1959 and the Pictured Cliffs Formation was shut-in on April 19, 1960. After being shut-in for sixteen (16) days, the Pictured Cliffs Formation was tested on May 5, 1960, and following a three (3) hour blow-down period gauged 903 MCFGPD through a 3/4" choke and 908 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1011#. The committed drilling block upon which this well is located is described as the W/2 of Section 28, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

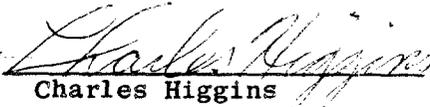
The foregoing drilling block was included in the San Juan 27-5 Unit Ninth Expanded Participating Area of the Pictured Cliffs Formation, effective April 1, 1959, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation drilling block in which the San Juan 27-5 Unit #51 (PM) Well was also completed was included in the Nineteenth Expanded Participating Area of the Mesaverde Formation, effective April 1, 1959, as an intervening drilling block, and a Notice of Completion of an Additional Well will be sent by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:cah

SAN JUAN 27-5 UNIT

WORKING INTEREST OWNERS

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. L. O. Speer, Jr.  
Pan American Petroleum Corporation  
P.O. Box 487  
Farmington, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Company  
311 Equitable Building  
Denver 2, Colorado

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. J. R. Abercrombie  
P.O. Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
201 North Orchard Avenue  
Farmington, New Mexico

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. H. O. Pool  
P.O. Box 708  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Pablo Candelaria  
Aztec, New Mexico

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Sistersville, West Virginia

Mr. Donald Anderson  
Hondo Oil & Gas Company  
P.O. Box 660  
Roswell, New Mexico

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for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. M. A. Romero  
P.O. Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Thomas F. Harrington  
935 Chiltum Road  
Hillsborough, California

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P.O. Box 896  
Albuquerque, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors &  
Co-Executrix of the Estate of N. B. Stern  
Bishop Building  
Santa Fe, New Mexico

*El Paso Natural Gas Company*

POST OFFICE BOX

*El Paso, Texas*

JUN 29 11 31 25

June 29, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Mesaverde Formation

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 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 additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to the Unit.

This well is as follows:

The San Juan 27-5 Unit #51 (PM) Well, located 1660' from the South line and 1600' from the West line of Section 28, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 31, 1960, and completed on April 19, 1960, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5608'. The Point Lookout Section of the Mesaverde Formation between 5353' - 5362'; 5370' - 5378'; 5384' - 5390'; 5396' - 5404'; 5454' - 5462'; 5468' - 5474' was treated with a sand-water fracturing process on April 14, 1960. The well was shut-in on April 19, 1960 and after being shut-in for eight (8) days, the Mesaverde Formation was tested on April 27, 1960, and following a three (3) hour blow-down period gauged 2033 MCFGPD through a 3/4" choke, and 2198 MCFGPD by the calculated absolute open-flow method, with SIPT of 1088#. The committed drilling block upon which this well is located is described as the W/2 of Section 28, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 27-5 Nineteenth Expanded Participating Area of the Mesaverde Formation, effective April 1, 1959, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 14-08-001-950, approved August 31, 1953, the Pictured Cliffs Drilling Block, in which the San Juan 27-5 Unit #51 (PM) Well was also completed, was included in the Ninth Expanded Participating Area effective April 1, 1959, as an intervening drilling block. A Notice of Completion of an Additional Well will be sent by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:n1

cc: Attached List

**San Juan 27-5 Unit**  
**Working Interest Owners**

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. L. O. Speer, Jr. (12)  
Pan American Petroleum Corporation  
P. O. Box 400  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
150 Wildwood Way  
Woodside, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

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for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

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

Mr. Donald Anderson  
Hondo Oil & Gas Co., Inc.  
P. O. Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Co.  
311 Equitable Building  
Denver 2, Colorado

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

Central National Bank and Trust Co.,  
Trustee and Ancillary Executor of the  
Estate of Gerald F. Harrington, Dec'd.  
5th and Locust Sts.  
Des Moines, Iowa

El Paso Natural Gas Company

MAIL OFFICE 000

RECEIVED MAY 20 AM 9 02

El Paso, Texas

May 18, 1960

*Handwritten signature*

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Mesaverde Formation

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 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 additional well capable of producing unitized substances from the Mesaverde Formation has been completed upon acreage committed to the Unit.

This well is as follows:

The San Juan 27-5 Unit #50 (PM) Well, located 1650' from the North line and 1840' from the East line of Section 19, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 25, 1960, and completed on March 29, 1960, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5550'. The Point Lookout Section of the Mesaverde Formation between 5306' - 5312'; 5338' - 5348'; 5400' - 5410' was treated with a sand-water fracturing process on March 24, 1960. After being shut-in for gauge for ten (10) days, the well was tested on April 8, 1960, and following a three (3) hour blow-down period gauged 1778 MCFGPD through a 3/4" choke, and 1879 MCFGPD by the calculated absolute open-flow method, with SIPT of 1074#. The committed drilling block upon which this well is located is described as the E/2 of Section 19, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. L. O. Speer, Jr. (12)  
Pan American Petroleum Corporation  
P. O. Box 487  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Mike Abraham  
814 Mercantile Bank Building  
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Mr. Thomas F. Harrington  
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Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
329 Flint St.  
Reno, Nevada

Mr. T. H. McElvain & Catherine B.  
McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

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

Mr. Donald Anderson  
Malco Refineries, Inc.  
P. O. Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Co.  
311 Equitable Bldg.  
Denver 2, Colorado

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors  
of the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

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14 Axtell Drive  
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4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

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220 Shelby Street  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

Central National Bank and Trust Co.,  
Trustee and Ancillary Executor of the  
Estate of Gerald F. Harrington, dec'd.  
5th and Locust Sts.  
Des Moines, Iowa

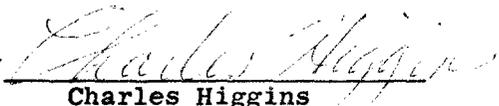
This drilling block was included in the San Juan 27-5 Nineteenth Expanded Participating Area of the Mesaverde Formation, effective April 1, 1959, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #50 (PM) Well was also completed was expanded effective May 1, 1960, by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

**Charles Higgins**  
Area Landman  
Land Department

CH:GWO:n1

cc: Attached List

El Paso Natural Gas Company

El Paso, Texas

May 17, 1960

540

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND THIRTEENTH EXPANDED PAR-  
TICIPATING AREA, Pictured Cliffs  
Formation, effective May 1, 1960

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 #50 (PM) Well, located 1650' from the North line and 1840' from the East line of Section 19, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 25, 1960 and completed on March 29, 1960 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5550'. The Pictured Cliffs Formation in the intervals between 3162' - 3172', 3146' - 3206', 3214' - 3226' was treated with a sand-water fracturing process on March 24, 1960. The well was completed on March 29, 1960 and the Pictured Cliffs Formation was shut-in on March 29, 1960. After being shut-in for twenty-one (21) days, the well was tested on April 19, 1960, and following a three (3) hour blow-down period gauged 1519 MCFGPD through a 3/4" choke and 1539 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1079#. The committed drilling block upon which this well is

located is described as the E/2 of Section 19, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing drilling block is included in the San Juan 27-5 Unit Thirteenth Expanded Participating Area of the Pictured Cliffs Formation, effective May 1, 1960.

The completion of the San Juan 27-5 Unit #50 (PM) Well in the Pictured Cliffs Formation creates one (1) intervening drilling block described as the W/2 of Section 20, 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 May 1, 1960, and a well must be commenced on said intervening drilling block by May 1, 1961.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation drilling block in which the San Juan 27-5 Unit #50 (PM) Well was also completed was included in the Nineteenth Expanded Participating Area of the Mesaverde Formation, effective April 1, 1959, as an intervening drilling block, and a Notice of Completion of an Additional Well will be sent by separate letter.

Attached hereto is Schedule XIV showing the Thirteenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of May 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

Attachments

El Paso Natural Gas Company

El Paso, Texas

May 9, 1960

*Com 1240*

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Proposed Revision of Exhibit "B"  
Effective May 1, 1960

Gentlemen:

You will find enclosed herewith for your examination and approval a copy of a proposed revision of the Exhibit "B" for the San Juan 27-5 Unit, which will have an effective date of May 1, 1960. Please examine the enclosed copy of the Exhibit "B" as to the correctness of ownership set out for each tract. If in the event you find that the interests as set out are not correct, it is requested that you inform us as to the correct ownership and interest at an early date.

Your help in this matter will be appreciated.

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

Very truly yours,

*Charles Higgins*

Charles Higgins  
Area Landman  
Land Department

CH:GWO:js

Enclosures

WORKING INTEREST OWNERS

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. L. O. Speer, Jr. (12)  
Pan American Petroleum Corporation  
P. O. Box 487  
Farmington, New Mexico

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for Evelyn Ellen Wallace  
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Albuquerque, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

SAN JUAN 27-5 UNIT

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

Mr. Donald Anderson  
Malco Refineries, Inc.  
P. O. Box 660  
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Colorado Oil and Gas Co.  
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Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey  
Goodman, Mrs. Anita S. Friedman,  
Co-Executors of the Estate of  
N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

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Scarsdale, New York

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P. O. Box 896  
Albuquerque, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

March 29, 1960

*Case 1546*

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit Area #14-08-011-950  
Rio Arriba County, New Mexico  
Notice of Approval of the 1960  
Drilling Program

Gentlemen:

This is to advise you that the 1960 Drilling Program for the San Juan 27-5 Unit Area was approved as follows:

1. Acting Supervisor, United States Geological Survey  
on March 16, 1960.
2. Commissioner of Public Lands of the State of New Mexico  
on February 1, 1960.
3. Oil Conservation Commission of the State of New Mexico  
on March 24, 1960.

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

Very truly yours,

*Charles Higgins*

Charles Higgins  
Area Landman  
Land Department

CH:GWO:js  
Attachment

San Juan 27-5 Unit  
Working Interest Owners

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. L. O. Speer, Jr. (12)  
Pan American Petroleum Corporation  
P. O. Box 487  
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P. O. Box 2011  
Santa Fe, New Mexico

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Goodman, Mrs. Anita S. Friedman,  
Co-Executors of the Estate of  
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Bishop Building  
Santa Fe, New Mexico

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Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Gerald F. Harrington  
708 - 44th Street  
Des Moines 12, Iowa

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

**SANTA FE, NEW MEXICO**

March 24, 1960

*Case # 540*

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

**O**  
ATTENTION: Mr. Sam Smith

**P**  
RE: 1960 Plan of Development  
San Juan 27-5 Unit Rio  
Arriba County, New Mexico.

**Y**  
Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1960 Plan of Development 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 plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary - Director

ALP/JEK/ig

cc: State Land Office - Santa Fe  
US Geological Survey - Roswell

P. O. Box 6721  
Russell, New Mexico

March 15, 1960

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

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development for 1960, dated January 18, 1960, for the San Juan 27-5 unit area, No. 14-08-001-950, Rio Arriba County, New Mexico, which proposes the drilling of six new Mesaverde formation tests to be dually completed in the Pictured Cliffs and Mesaverde formations, has been approved on this date subject to like approval by the appropriate State Officials.

Your proposed well locations are as follows:

<u>Location (T. 27 N., R. 5 W.)</u>	<u>Remarks</u>
W $\frac{1}{2}$ sec. 4	Protection against Mesaverde drainage
W $\frac{1}{2}$ sec. 5	" " " "
E $\frac{1}{2}$ sec. 18	Intervening Mesaverde drilling block
E $\frac{1}{2}$ sec. 19	" " " "
W $\frac{1}{2}$ sec. 28	Intervening Pictured Cliffs and Mesaverde blocks
W $\frac{1}{2}$ sec. 31	Protection against Pictured Cliffs and Mesaverde drainage

Two approved copies of the plan are enclosed.

Very truly yours,

EDWIN H. THOMASSON  
Acting Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/cy of plan)  
F'ton "  
NMOCC, Santa Fe (ltr only)  
Comm. of Pub. Lands, Santa Fe (ltr only)

ILLEGIBLE

In reply refer to:  
Unit Division

February 4, 1960

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

Re: 1960 Drilling Program  
San Juan 27-5 Unit  
Rio Arriba County, New Mexico

P  
ATTENTION: Mr. Sam Smith

Gentlemen:

Y  
We are enclosing one copy of the 1960 Drilling Program for the San Juan 27-5 Unit Area, which was approved by the Commissioner of Public Lands as of February 1, 1960.

Please inform us when this instrument is fully executed.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m

cc:

OCC- Santa Fe  
USGS- Roswell

# *El Paso Natural Gas Company*

*El Paso, Texas*

January 18, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1960 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 27-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1960 Drilling Program for the San Juan 27-5 Unit #14-08-001-950.

The Drilling Program for the San Juan 27-5 Unit for the calendar year 1959 contained ten wells, two of them to be completed in the Pictured Cliffs Formation only, and a third well to be completed in the Mesaverde Formation only. The remaining seven (7) wells were scheduled for dual completion in both the Pictured Cliffs and Mesaverde Formations. The two Pictured Cliffs wells scheduled were dualled with existing Mesaverde wells, and the remaining eight wells were dually completed in the Pictured Cliffs and Mesaverde Formations. The ten drilling blocks on which said wells are located have been included in both the Pictured Cliffs and Mesaverde Formation Participating Areas.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1960, consisting of six (6) dual Pictured Cliffs-Mesaverde Wells as set out below:

DRILLING BLOCK

FORMATION

E/2 Section 18, T-27-N, R-5-W	Dual, Pictured Cliffs-Mesaverde
E/2 Section 19, T-27-N, R-5-W	Dual, Pictured Cliffs-Mesaverde
W/2 Section 28, T-27-N, R-5-W	Dual, Pictured Cliffs-Mesaverde
W/2 Section 4, T-27-N, R-5-W	Dual, Pictured Cliffs-Mesaverde
W/2 Section 31, T-27-N, R-5-W	Dual, Pictured Cliffs-Mesaverde
W/2 Section 5, T-27-N, R-5-W	Dual, Pictured Cliffs-Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed Mesaverde-Pictured Cliffs dual wells to the base of the Mesaverde Formation using rotary tools. Surface casing of 10 3/4" will be set to approximately 150' below the surface and an intermediate string of 7 5/8" will be set through the Pictured Cliffs Formation to a depth of approximately 3200'. A 5 1/2" production liner will be set from this point through the Mesaverde Formation. The Mesaverde Formation will then be selectively perforated and subjected to a hydraulic fracturing process, after which a bridging plug will be set above the Mesaverde Formation and the Pictured Cliffs Formation will be selectively perforated and subjected to a hydraulic fracturing process. For completion, a production packer will be set between the two formations using 2" tubing to produce the Mesaverde. A string of 1 1/4" tubing will be run through which the Pictured Cliffs Formation will be produced. Mud will be used in setting the intermediate string of casing and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

In addition to the above wells, El Paso Natural Gas Company, as Unit Operator, also 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.

The Working Interest Owners have been contacted and this Drilling Program reflects their requests for additional drilling.

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

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith, Manager  
Land Department

SS:GWO:ch

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

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

APPROVED: *(Signature)* DATE: *3/21/60*  
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 1960 Drilling Program for the San Juan 27-5  
Unit, Rio Arriba County, New Mexico.

SAN JUAN 27-5 UNIT  
WORKING INTEREST OWNERS

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. J. L. Hoyt, Jr.  
Pan American Petroleum Corporation  
P.O. Box 1410  
Ft. Worth, Texas

Pan American Petroleum Corporation  
P.O. Box 487  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corporation  
P.O. Box 1526  
Salt Lake City 10, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. Thomas F. Harrington  
935 Chiltturn Road  
Hillsborough, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P.O. Box 224  
Bellaire, Texas

Mr. and Mrs. W. E. Alsup  
Cal-Va-Rodo-Motel  
Box 53  
State Line, California

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

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

Mr. Donald Anderson  
Hondo Oil & Gas Company  
P.O. Box 660  
Roswell, New Mexico

Mr. M. A. Romero  
P.O. Box 2011  
Santa Fe, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Company  
311 Equitable Building  
Denver 2, Colorado

Messrs. Carl H. Gilbert & Morey  
Goodman, Anita S. Friedman, Co-  
Executors of Estate of N. B. Stern  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Gerald F. Harrington  
708 44th Street  
Des Moines 12, Iowa

Mrs. Omega E. Quinn  
4015 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P.O. Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
P.O. Box 708  
Santa Fe, New Mexico

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

PAGE 2

WORKING INTEREST OWNERS  
SAN JUAN 27-5 UNIT

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

January 6, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1961 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 27-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1961 Drilling Program for the San Juan 27-5 Unit #14-08-001-950.

Eight (8) wells were completed in the San Juan 27-5 Unit during the calendar year 1960. One well was completed in the Mesaverde formation only and seven (7) wells were dually completed in the Pictured Cliffs and Mesaverde formations. Seven of the drilling blocks are now or will be included in the participating areas for the Pictured Cliffs and the Mesaverde formations. A non-commercial well for unit purposes was completed in the Mesaverde formation of the remaining drilling block.

Set out immediately below is a recapitulation of the wells that have been completed in the San Juan 27-5 Unit Area:

<u>FORMATION</u>	<u>NO. OF WELLS</u>
Pictured Cliffs only	0
Pictured Cliffs-Mesaverde	32
Mesaverde only	21
Mesaverde (non commercial)	1
Dakota	1
Total Wells	<u>55</u>

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1961, consisting of two (2) wells to be completed in the Pictured Cliffs formation only, one (1) well to be completed in the Mesaverde formation only, seven (7) wells to be dually completed in the Pictured Cliffs and Mesaverde formations and one (1) well to be completed in the Dakota formation only. The proposed wells are as follows:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
E/2 Section 4, T-27-N, R-5-W	Mesaverde
E/2 Section 5, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
E/2 Section 6, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
E/2 Section 6, T-27-N, R-5-W	Dakota
W/2 Section 8, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
W/2 Section 9, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
W/2 Section 17, T-27-N, R-5-W	Pictured Cliffs
W/2 Section 20, T-27-N, R-5-W	Pictured Cliffs
W/2 Section 27, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
E/2 Section 31, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
E/2 Section 33, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde

El Paso Natural Gas Company intends to drill the Pictured Cliffs wells to the base of the Pictured Cliffs formation using rotary and cable tools. Surface casing will be set to approximately 100' from the surface, and then a production string of casing will be set through the Pictured Cliffs formation. Mud will be used in drilling through the Pictured Cliffs formation and cable tools will be used for completion work. The entire Pictured Cliffs formation will be subjected to a hydraulic fracturing process. Due care will be taken to protect all horizons.

El Paso Natural Gas Company intends to drill the Mesaverde well to the base of the Mesaverde formation using rotary tools. Surface casing will be set to approximately 150' below the surface and an intermediate string will be set through the Pictured Cliffs formation to a depth of approximately 3200'. A production liner will be set through the Mesaverde formation, and the casing of the Mesaverde formation will then be selectively perforated and the Mesaverde formation will be subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing, and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

El Paso Natural Gas Company intends to drill the dual Pictured Cliffs-Mesaverde wells to the base of the Mesaverde formation using rotary tools. Surface casing of 10 3/4" will be set to approximately 150' below the surface and

APPROVED: \_\_\_\_\_

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

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

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

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

APPROVED: \_\_\_\_\_

*A. H. Porter, Jr.*  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: 4-28-61

The foregoing approvals are for the 1961 Drilling Program for the San Juan 27-5  
Unit, Rio Arriba County, New Mexico.

3

an intermediate string of 7 5/8" will be set through the Pictured Cliffs formation to a depth of approximately 3200'. A 5 1/2" production liner will be set from this point through the Mesaverde formation. The Mesaverde formation will then be selectively perforated and subjected to a hydraulic fracturing process, after which a bridging plug will be set above the Mesaverde formation and the Pictured Cliffs formation will be selectively perforated and subjected to a hydraulic fracturing process. For completion, a production packer will be set between the two formations using 2" tubing to produce the Mesaverde formation. A string of 1 1/4" tubing will be run through which the Pictured Cliffs formation will be produced. Mud will be used in setting the intermediate string of casing and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

El Paso Natural Gas Company intends to drill the Dakota well to the base of the Dakota formation using rotary tools. Surface casing will be set to the depth of approximately 300' and an intermediate string will be run if necessary, through the Pictured Cliffs formation to a depth of approximately 3200', and then a production casing string will be run to the base of the Dakota formation. The casing in the Dakota formation will then be perforated and the Dakota formation subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing when said casing is run and the hole below the intermediate string of casing will be drilled with either mud or gas. Due care will be taken to protect all horizons.

In addition to the above wells, El Paso Natural Gas Company, as Unit Operator, also 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.

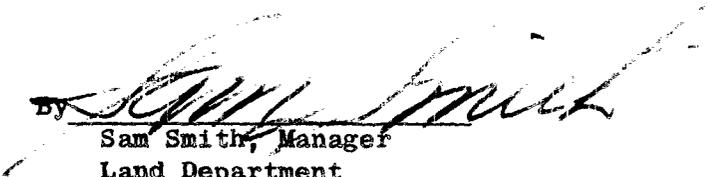
The Working Interest Owners have been contacted and this Drilling Program reflects their requests for additional drilling.

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

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith, Manager  
Land Department

SS:GWO:js

**WORKING INTEREST OWNERS**  
**San Juan 27-5 Unit**

General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas  
Attention: Mr. James W. Goss

Mr. L. O. Speer, Jr.  
Pan American Petroleum Corporation  
Post Office Box 480  
Farmington, New Mexico

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
C/o T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico

Mr. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. T. H. McElvain &  
Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona

Northwest Production Corporation  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

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

Mr. Donald Anderson  
Hondo Oil & Gas Company  
Post Office Box 660  
Roswell, New Mexico

Colorado Oil & Gas Corporation  
Denver Club Building  
Denver, Colorado

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Mr. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors  
of the Estate of N. B. Stern  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
Park Drive South  
Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York

Mr. W. E. Alsop  
320 East Chuska  
Aztec, New Mexico

Mrs. Omega E. Quinn  
4127 Hyer, Apt. 44  
Dallas 5, Texas

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Central National Bank & Trust Company  
Trustee & Ancillary Executor of the  
Estate of G. F. Harrington, Dec'd.  
5th and Locust Streets  
Des Moines, Iowa

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas

Page 2

Working Interest Owners  
San Juan 27-5 Unit

John L. Abercrombie  
841 San Jacinto Building  
Houston 2, Texas

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of Algernon W. Brown  
Park Drive South  
Rye, New York

# El Paso Natural Gas Company

El Paso, Texas

December 23, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
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 #47 (PM) Well, located 1500' from the South line and 1750' from the West line of Section 18, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 9, 1959 and completed on October 14, 1959 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5591'. The Pictured Cliffs Formation in the intervals between 3210' - 3220', 3248' - 3258', 3268' - 3278' was treated with a sand-water fracturing process on March 22, 1959. The well was completed on October 24, 1959 and the Pictured Cliffs Formation was shut-in on November 10, 1959. After being shut-in for fourteen (14) days, the well was tested on November 24, 1959, and following a three (3) hour blow-down period gauged 1447 MCFGPD through a 3/4" choke and 1469 MCFGPD by the calculated absolute open-flow method, with an SIPC of 934#. The committed drilling

block upon which this well is located is described as the W/2 of Section 18, Township 27 North, Range 5 West, N.M.P.M., containing 321.08 acres, more or less.

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, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation drilling block in which the San Juan 27-5 Unit #47 (PM) Well was also completed was included in the Twentieth Expanded Participating Area of the Mesaverde Formation, effective May 1, 1959, as an intervening drilling block, and a Notice of Completion of an Additional Well will be sent by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:ch

SAN JUAN 27-5 UNIT  
WORKING INTEREST OWNERS

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. J. L. Hoyt, Jr.  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Company  
311 Equitable Building  
Denver 2, Colorado

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
935 Chiltun Road  
Hillsborough, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P.O. Box 224  
Bellaire, Texas

Mr. and Mrs. W. E. Alsup  
Cal-Va-Rodo Motel  
Box 53  
State Line, California

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. Donald Anderson  
Hondo Oil & Gas Company  
Post Office Box 660  
Roswell, New Mexico

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Gerald F. Harrington  
708-44th Street  
Des Moines 12, Iowa

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P.O. Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
P.O. Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

SAN JUAN 27-5 UNIT  
WORKING INTEREST OWNERS  
PAGE 2

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# El Paso Natural Gas Company

El Paso, Texas

December 23, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND TWENTY-FIRST EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective December 1, 1959

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 Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #47 (PM) Well, located 1500' from the South line and 1750' from the West line of Section 18, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 9, 1959 and completed on October 14, 1959 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5591'. The Point Lookout Section of the Mesaverde Formation between 5376' - 5380', 5388' - 5400', 5406' - 5420', 5450' - 5464', 5490' - 5502' was perforated and treated with a sand-water fracturing process on March 22, 1959. The well was completed on October 24, 1959 and the Mesaverde Formation was shut-in on October 29, 1959. After being shut-in for gauge for nineteen (19) days, the Mesaverde Formation was tested on November 17, 1959, and following a three (3) hour blow-down period gauged 2,445 MCFGPD through a 3/4" choke, and 3057 MCFGPD by the calculated absolute open-flow method, with an SIPT of 813#. The committed drilling block upon which this

well is located is described as the W/2 of Section 18, Township 27 North, Range 5 West, N.M.P.M., containing 321.08 acres.

The foregoing drilling block was included in the Twentieth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective May 1, 1959, as an intervening drilling block.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Pictured Cliffs drilling block in which the San Juan 27-5 Unit #47 (PM) Well was also completed was included in the Tenth Expanded Participating Area of the Pictured Cliffs Formation as an intervening drilling block. A Notice of Completion of an Additional Well will be sent by separate letter.

The completion of the San Juan 27-5 Unit #47 (PM) Well in the Mesaverde Formation creates one (1) intervening drilling block described as the E/2 of Section 18, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Mesaverde Participating Area effective December 1, 1959, and a well must be commenced on said intervening drilling block by December 1, 1960.

Attached is Schedule XXII showing the Twenty-First Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of December 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ch  
Attachment

P. O. Box 6721  
Roswell, New Mexico

December 7, 1959

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

Attention: Mr. Harry Coverts

Gentlemen:

This is to acknowledge receipt of the following documents relating to the San Juan 23-7 unit agreement, New Mexico, No. 14-02-001-459:

Five copies of a Ratification and Joinder to the unit agreement executed by Ivan Otstot, et al, who own a 2.00 percent overriding royalty interest in Federal land unit tract No. 14. Approval and consent of El Paso Natural Gas Company, unit operator, and Tennessee Gas and Oil Company, working interest owner of unit tract No. 14, is affixed to each copy of the Ratification and Joinder.

By virtue of the Ratification and Joinder listed above the overriding royalty interest under Federal land unit tract No. 14 is considered effectively committed to the San Juan 23-7 unit agreement effective June 1, 1959, the first day of the month following filing of the Ratification and Joinder.

Copies of the Ratification and Joinder are being distributed to appropriate Federal offices for inclusion in the official case records. It is assumed you will furnish other interested parties with appropriate evidence of this action. Two copies of the Ratification and Joinder are surplus to our needs and are returned herewith.

This acknowledgment will serve to answer your letter of October 4, 1959, by which you requested information regarding the status of this joinder.

Very truly yours,

Copy to: Wash. (w/cy of joinder)  
F'ton "  
HLM-Santa Fe "  
State Land Off. (Mrs. Rhea)(Ltr. only)  
MSOCC

ERWIN M. THOMASSON  
Acting Oil and Gas Supervisor

Enclosures

ILLEGIBLE

# El Paso Natural Gas Company

El Paso, Texas

October 13, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
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 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 #4 (PM) Well, located 990' from the North line and 990' from the East line of Section 29, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 26, 1953 and completed on September 19, 1953 in the Mesaverde Formation only at a total depth of 5498'. On July 2, 1959 and July 3, 1959 the Mesaverde production tubing was pulled and on July 9, 1959 a Baker Model "K" retainer was set at 4798'. After reworking and recompleting the Mesaverde Formation, a temporary bridge-plug was set 5210' and the Pictured Cliffs Formation in the intervals between 3203' - 3241', 3274' - 3304' was treated with a sand-water fracturing process on July 19, 1959. After being shut-in for gauge for forty-one (41) days, the Pictured Cliffs Formation was tested on September 1, 1959, and following a three (3) hour blow-down period the Pictured Cliffs Formation gauged 1316 MCFGPD through a 3/4" choke, and 1330 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1032#. However, a packer leak was discovered and the Pictured Cliffs Formation was again shut-in September 1, 1959. After being shut-in for twenty-four (24) days, the Pictured Cliffs

Formation was re-tested on September 24, 1959, and following a three (3) hour blow-down period the Pictured Cliffs Formation gauged 1292 MCFGPD through a 3/4" choke, and 1305 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1027#. The committed drilling block upon which this well is located is described as the E/2 of Section 29, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

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

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Formation drilling block in which the San Juan 27-5 Unit #4 (PM) Well was initially completed was included in the First Expanded Participating Area of the Mesaverde Formation, effective October 1, 1953.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Harry Gevertz

Area Landman

Land Department

HG:GWO:ch

**SAN JUAN 27-5 UNIT**  
**WORKING INTEREST OWNERS**

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P.O. Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
P.O. Box 487  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corporation  
P.O. Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
935 Chiltun Road  
Hillsborough, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P.O. Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
252 W. First St.  
Reno, Nevada

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby St.  
Santa Fe, New Mexico

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

Mr. Donald Anderson  
Hondo Oil & Gas Company  
P.O. Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Co.  
311 Equitable Building  
Denver 2, Colorado

Mr. M. A. Romero  
P.O. Box 2011  
Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
Estate of N. B. Stern  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Gerald F. Harrington  
708-44th St.  
Des Moines 12, Iowa

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P.O. Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
P.O. Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby St.  
Santa Fe, New Mexico

Page 2

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candalaria  
Aztec, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# El Paso Natural Gas Company

El Paso, Texas

October 5, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Gentlemen:

Please refer to our Notice of Completion of Additional Well and Twelfth Expanded Participating Area for the Pictured Cliffs Formation, effective September 1, 1959, in which you are informed that the San Juan 27-5 Unit #15-16 (PM) Well, located in the W/2 of Section 16, Township 25 North, Range 5 West, N.M.P.M., has been completed in the Pictured Cliffs Formation as well as in the Mesaverde Formation.

The above referred to letter sets out that the W/2 of Section 16 was included in the Fifth Expanded Participating Area of the Pictured Cliffs Formation, effective July 1, 1958, as an intervening drilling block. The above mentioned letter is in error insofar as it refers to the Fifth Expanded Participating Area as being the expansion in which the W/2 of Section 16 was included as an intervening drilling block. The W/2 of Section 16 was included in the Sixth Expanded Participating Area, effective August 1, 1958.

Therefore, we will appreciate your changing your copy or copies of our letter dated September 30, 1959 in order that said letter will reflect the correct information. Your help in this matter will be appreciated.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:pc

San Juan 27-5 Unit  
Working Interest Owners

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corp.  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corp.  
Post Office Box 487  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
935 Chiltun Road  
Hillsborough, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
Post Office Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada

Mr. and Mrs. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. Donald Anderson  
Hondo Oil & Gas Company  
Post Office Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Company  
311 Equitable Building  
Denver 2, Colorado

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Gerald F. Harrington  
708 - 44th Street  
Des Moines 12, Iowa

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Page 2  
San Juan 27-5 Unit  
Working Interest Owners

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# El Paso Natural Gas Company

El Paso, Texas  
September 30, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND TWELFTH EXPANDED PARTICIPATING  
AREA, Pictured Cliffs Formation  
Effective September 1, 1959

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Gentlemen:

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

1. The San Juan 27-5 Unit #15-16 (PM) Well, located 990' from the South line and 990' from the West line of Section 16, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 2, 1956 and completed on March 12, 1956 in the Mesaverde Formation only at a total depth of 5622'. On July 29, 1959 the Mesaverde production tubing was pulled and a 5½" bridge plug was set at 4800' and the 5½" casing was cut at 3180' and pulled. The Pictured Cliffs Formation between 3282' - 3302' was perforated and treated with a sand-water fracturing process on August 3, 1959. After being shut in for gauge for thirteen (13) days, the well was tested on August 19, 1959, and following a three (3) hour blow-down period the Pictured Cliffs Formation gauged 1881 MCFGPD through a ¾" choke, and 7688 MCFGPD by the calculated absolute open-flow method, with an

SIPC of 1053#. The committed drilling block upon which this well is located is described as the W/2 of Section 16, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, more or less.

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

2. The San Juan 27-5 Unit #39-12 (PM) Well, located 925' from the South line and 1810' from the West line of Section 12, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 2, 1959, and completed on August 12, 1959 in the Pictured Cliffs and Mesaverde Formations at a total depth of 6200'. The Pictured Cliffs Formation between 3855' - 3859', 3880' - 3888' was perforated and treated with a sand-water fracturing process on August 9, 1959. After being shut in for gauge for seven (7) days, the well was tested on August 31, 1959, and following a three (3) hour blow-down period the Pictured Cliffs Formation gauged 1025 MCFGPD through a 3/4" choke and 1569 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1054#. The committed drilling block upon which this well is located is described as the W/2 of Section 12, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing well is included in the Twelfth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective September 1, 1959.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, Number 14-08-001-950, approved August 31, 1953, the Mesaverde drilling block in which the San Juan 27-5 Unit #15-16 (PM) Well was initially completed, was included in the Eighth Expanded Participating Area of the Mesaverde Formation, effective May 1, 1956 and notice of expansion was sent by separate letter. The Mesaverde drilling block in which the San Juan #39-12 (PM) Well was also completed was included in the Fourteenth Expanded Participating Area of the Mesaverde Formation as an intervening drilling block, effective June 1, 1959, and a Notice of Completion of Additional Well will be sent by separate letter.

Attached hereto is Schedule XIII showing the Twelfth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, 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, this Expanded Participating Area will become effective as of September 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:pc

# El Paso Natural Gas Company

El Paso, Texas

September 25, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 28-6 Unit, No. 14-08-001-1051  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-6 Unit Agreement, No. 14-08-001-1051, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below, that one additional well capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 28-6 Unit #91 Well, located 1460' from the North line and 1750' from the West line of Section 14, Township 27 North, Range 6 West, Rio Arriba County, New Mexico, was spudded on June 25, 1959 and completed on August 13, 1959 at a total depth of 3292'. The Pictured Cliffs Formation from 3202' - 3214', 3226' - 3260' was treated with a sand-water fracturing process. After being shut-in for twenty-one (21) days, the well was tested in the Pictured Cliffs Formation on September 3, 1959 and following a three (3) hour blow-down gauged 1226 MCFGPD through a 3/4" choke and 1238 MCFGPD by the calculated absolute open flow method, with an SIPT of 1071# and an SIPC of 1074#. The committed drilling block upon which this well is located is described as the W/2 of Section 14, Township 27 North, Range 6 West, N.M.P.M., Rio

Arriba County, New Mexico, containing 320.00 acres. The determination that this well is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation was made on September 3, 1959.

The above-described drilling block was included in the San Juan 28-6 Unit Fifth Expanded Participating Area for the Pictured Cliffs Formation, effective July 1, 1958 as an intervening drilling block.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Harry Gevertz  
Area Landman  
Land Department

HG:BGI:nl

cc: Attached List

San Juan 28-6 Unit  
Working Interest Owners

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

Mr. R. N. Richey (2)  
Mr. M. J. Jordan  
Pacific Northwest Pipeline Corp.  
Post Office Box 1526  
Salt Lake City, Utah

Mr. R. L. Caldwell  
Delhi-Taylor Oil Corporation  
823 Corrigan Tower  
Dallas 1, Texas

Mr. C. W. Horstmeier (4)  
Sinclair Oil & Gas Company  
Denver Club Building  
Denver 2, Colorado

Skelly Oil Company  
Post Office Box 1650  
Tulsa 2, Oklahoma

Mr. Tom Bolack  
1010 N. Dustin St.  
Farmington, New Mexico

Mr. E. K. Boatright  
Three States Natural Gas Company  
Seventeenth Floor  
Corrigan Tower  
Dallas 1, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Company  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Company  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. F. G. Daniell  
Mr. Robert C. Youngmun  
Pubco Petroleum Corporation  
Post Office Box 1419  
Albuquerque, New Mexico

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Riasan Company  
150 Wildwood Way  
Woodside, California

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. H. K. Riddle  
65 E. Fourth South  
Salt Lake City, Utah

Mr. T. F. Harrington  
935 Chiltorn Road  
Hillsborough, California

# El Paso Natural Gas Company

El Paso, Texas

September 24, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde 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 additional well capable of producing unitized substances from the Mesaverde Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 27-5 Unit #39-12 (PM) Well, located 925' from the South line and 1810' from the West line of Section 12, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 2, 1959, and completed on August 12, 1959 in the Pictured Cliffs and Mesaverde Formations at a total depth of 6200'. The Cliff House, Menefee and Point Lookout Sections of the Mesaverde Formation between 5582' - 5588', 5596' - 5616', 5720' - 5736', 5806' - 5824', 5828' - 5834', 5894' - 5898', 5910' - 5918', 5930' - 5956', 5972' - 5980', 5986' - 6004', 6018' - 6036', 6075' - 6088' were treated with a sand-water fracturing process on August 9, 1959. After being shut-in for gauge for twelve (12) days, the well was tested on August 24, 1959, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3033 MCFGPD through a 3/4" choke, and 3928 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1146#. The committed drilling block upon which this well is located is described as the W/2 of Section 12, Township 27 North, Range 5 West, N.M.P.M. containing 320.00 acres.

This drilling block was included in the San Juan 27-5 Fourteenth Expanded Participating Area of the Mesaverde Formation, effective June 1, 1958, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #39-12 (PM) Well was also completed was expanded effective September 1, 1959 by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:ch

WORKING INTEREST OWNERS  
SAN JUAN 27-5 UNIT

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P.O. Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
P.O. Box 487  
Farmington, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corporation  
P.O. Box 1526  
Salt Lake City 10, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
935 Chiltorn Road  
Hillsborough, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P.O. Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
252 W. First St.  
Reno, Nevada

Mr. T. H. McElvain & Catherine B.  
220 Shelby St.  
Santa Fe, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

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

Mr. Donald Anderson  
Hondo Oil & Gas Company  
P.O. Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Co.  
311 Equitable Building  
Denver 2, Colorado

Mr. M. A. Romero  
P.O. Box 2011  
Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Gerald F. Harrington  
708 44th Street  
Des Moines 12, Iowa

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. Robert P. Tinnin  
P.O. Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
P.O. Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby St.  
Santa Fe, New Mexico

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# El Paso Natural Gas Company

El Paso, Texas

September 23, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Mesaverde Formation

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 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 additional well capable of producing unitized substances from the Mesaverde Formation has been completed upon acreage committed to the Unit.

This well is as follows:

The San Juan 27-5 Unit #42 (PM) Well, located 900' from the South line and 900' from the West line of Section 22, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 29, 1959, and completed on June 19, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5625'. The Point Lookout Section of the Mesaverde Formation between 5426' - 5436'; 5444' - 5454'; 5476' - 5486'; 5494' - 5500'; 5536' - 5546' was treated with a sand-water fracturing process on June 16, 1959. After being shut-in for gauge for thirteen (13) days, the well was tested on July 2, 1959, and following a three (3) hour blow-down period gauged 2344 MCFGPD through a 3/4" choke, and 2585 MCFGPD by the calculated absolute open-flow method, with SIPT of 1115#. The committed drilling block upon which this well is located is described as the W/2 of Section 22, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 27-5 Fourteenth Expanded Participating Area of the Mesaverde Formation, effective June 1, 1958, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement Number 14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #42 (PM) Well was also completed was expanded effective August 1, 1959, by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:ic

cc: Attached List

SAN JUAN 27-5 UNIT  
Working Interest Owners

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Mr. Donald Anderson  
Hondo Oil and Gas Company  
Post Office Box 660  
Roswell, New Mexico

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Co.  
311 Equitable Bldg.  
Denver 2, Colorado

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City 10, Utah

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Thomas F. Harrington  
935 Chiltorn Road  
Hillsborough, California

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Gerald F. Harrington  
708 44th Street  
Des Moines 12, Iowa

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. J. R. Abercrombie  
Post Office Box 224  
Bellaire, Texas

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mr. W. E. Alsup  
252 W. First Street  
Reno, Nevada

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

Mr. T. H. McElvain & Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Page 2  
SAN JUAN 27-5 UNIT  
Working Interest Owners

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

Mr. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# El Paso Natural Gas Company

El Paso, Texas

August 21, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
ELEVENTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective August 1, 1959

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 #42 (PM) Well, located 900' from the South line and 900' from the West line of Section 22, Township 27 North, Range 5 West, Rio Arriba County, New Mexico was spudded on May 29, 1959, and completed on June 19, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5625'. The Pictured Cliffs Formation between 3296' - 3310'; 3332' - 3338'; 3346' - 3366' was perforated and treated with a sand-water fracturing process on June 16, 1959. After being shut in for gauge for twenty-seven (27) days, the well was tested on July 16, 1959, and following a three (3) hour blow-down period gauged 3389 MCFGPD through a 3/4" choke, and 3614 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1079#. The committed drilling block upon which this well is located is described as the W/2 of Section 22, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing well is included in the Eleventh Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective August 1, 1959.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Drilling Block in which the San Juan 27-5 Unit #42 (PM) Well was also completed was included in the Fourteenth Expanded Participating Area of the Mesaverde Formation effective June 1, 1959, and a Notice of Completion of an Additional Well will be sent by separate letter.

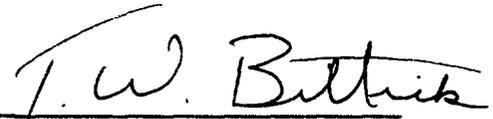
Attached hereto is Schedule XII showing the Eleventh Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown 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, this Expanded Participating Area will become effective as of August 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ic

Attachment

# El Paso Natural Gas Company

El Paso, Texas 4 PM 1:12

May 22, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

*File  
570*

Re: San Juan 27-5 Unit #14-08-001-950  
TWENTIETH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective May 1, 1959

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 Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 27-5 Unit #46 (PM) Well, located 1090' from the South line and 890' from the West line of Section 7, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 14, 1959 and completed on March 31, 1959 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5719'. The Point Lookout Section of the Mesaverde Formation between 5475' - 5485', 5503' - 5513', 5533' - 5543', 5553' - 5563', 5591' - 5605', 5621' - 5631' was perforated and treated with a sand-water fracturing process on March 27, 1959. After being shut-in for gauge for ten (10) days, the well was tested on April 10, 1959, and following a three (3) hour blow-down period gauged 2725 MCFGPD through a 3/4" choke, and 3209 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1041#. The committed drilling block upon which this well is located is described as the W/2 of Section 7, Township 27 North, Range 5 West, N.M.P.M., containing 322.04 acres.

The foregoing well is included in the Twentieth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective May 1, 1959.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #46 (PM) Well was also completed will be expanded effective May 1, 1959 by separate letter.

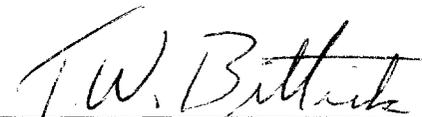
The admission to the Mesaverde Participating Area of the San Juan 27-5 Unit #46 (PM) Well creates one intervening drilling block described as the W/2 of Section 18, Township 27 North, Range 5 West, containing 321.08 acres. Under the terms of the Unit Agreement this intervening drilling block is admitted to the Mesaverde Participating Area effective May 1, 1959, and a well must be commenced on said intervening drilling block by May 1, 1960.

Attached is Schedule XXI showing the Twentieth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of May 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ch

Attachment

# El Paso Natural Gas Company

MAIN OFFICE OCC

El Paso, Texas

1959 JUN 2 PM 1:12

May 21, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

File  
540

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
TENTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective May 1, 1959

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:

1. The San Juan 27-5 Unit, #46 (PM) Well, located 1090' from the South line and 890' from the West line of Section 7, Township 27 North, Range 5 West, Rio Arriba County, New Mexico was spudded on March 14, 1959, and completed on March 31, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5719'. The Pictured Cliffs Formation between 3330' - 3344'; 3372' - 3380'; 3390' - 3398'; was perforated and treated with a sand-water fracturing process on March 28, 1959. After being shut-in for gauge for seven (7) days, the well was tested on April 17, 1959, and following a three (3) hour blow-down period gauged 2138 MCFGPD through a 3/4" choke, and 2199 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1087#. The committed drilling block upon which this well is located is described as the W/2 of Section 7, Township 27 North, Range 5 West, N.M.P.M., containing 322.04 acres.

The foregoing well is included in the Tenth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective May 1, 1959.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953, the Mesaverde Formation in which the San Juan 27-5 #46 (PM) Well was also completed will be expanded effective May 1, 1959, by separate letter.

The admission to the Pictured Cliffs Participating Area of the San Juan 27-5 #46 (PM) Well creates one intervening drilling block described as the W/2 of Section 18, Township 27 North, Range 5 West, N.M.P.M., containing 321.08 acres. Under the terms of the Unit Agreement this intervening drilling block is admitted to the Pictured Cliffs Participating Area effective May 1, 1959, and a well must be commenced on said intervening drilling block by May 1, 1960.

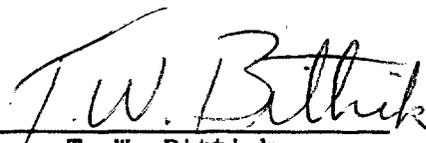
Attached hereto is Schedule XI showing the Tenth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown 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, this Expanded Participating Area will become effective as of May 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ic  
Attachment

# El Paso Natural Gas Company

El Paso, Texas

May 8, 1959

*File  
540*

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELLS  
AND NINTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective April 1, 1959

Gentlemen:

You will find enclosed herewith a corrected Page 3 of the Ninth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit. The enclosed corrected Page sets out the fact that the W/2 of Section 28 is being included in the Pictured Cliffs Participating Area as an intervening drilling block. Since the W/2 of Section 28 was included in the Schedule for the Ninth Expanded Participating Area, the percentages as set out in the Schedule are correct.

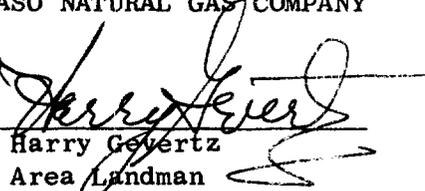
It is requested that you remove the original Page 3 from the subject Expansion and insert in its stead the enclosed Page 3.

Copies of this letter and corrected Page 3 are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Harry Gevertz

Area Landman  
Land Department

HG:GWO:ch

and treated with a sand-water fracturing process on March 3, 1959. After being shut-in for gauge for seventeen (17) days, the well was tested on March 24, 1959, and following a three (3) hour blow-down period gauged 1714 MCFGPD through a 3/4" choke, and 1741 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1088#. The committed drilling block upon which this well is located is described as the W/2 of Section 19, Township 27 North, Range 5 West, N.M.P.M., containing 321.76 acres.

The foregoing wells are included in the Ninth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective April 1, 1959.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Drilling Block in which the San Juan 27-5 Unit #41 (PM) Well was also completed was admitted to the Mesaverde Participating Area as an intervening drilling block effective July 1, 1958, and the Mesaverde Drilling Block in which the San Juan 27-5 Unit #43 (PM) Well was also completed was admitted to the Mesaverde Participating Area as an intervening drilling block effective September 1, 1958. A Notice of Completion of Additional Wells will be sent by separate letter. The Mesaverde Formation in which the San Juan 27-5 Unit #45 (PM) Well and the San Juan 27-5 Unit #48 (PM) Well were also completed will be expanded effective April 1, 1959, by separate letter.

The completion of the San Juan 27-5 Unit #41 (PM) Well creates one intervening drilling block described as the W/2 of Section 28, Township 27 North, Range 5 West, N.M.P.M. Under the terms of the Unit Agreement this intervening drilling block is admitted to the Pictured Cliffs Participating Area effective April 1, 1959, and a well must be commenced on said intervening drilling block by April 1, 1960.

Attached hereto is Schedule X showing the Ninth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of April 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

The following is a list of the Working Interest Owners for the San Juan 27-5 Unit:

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

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

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth 1, Texas

Mr. Donald Anderson  
Malco Refineries Inc.  
P. O. Box 660  
Roswell, New Mexico

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. P. Moroney  
Colorado Oil & Gas Company  
311 Equitable Building  
Denver 2, Colorado

Mr. R. N. Richey (2)  
Mr. M. J. Jordan  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City 10, Utah

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Messrs. Carl H. Gilbert, Morey  
Goodman, and Mrs. Anita S. Friedman,  
Co-Executors and Co-Executrix of the  
Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. Thomas F. Harrington  
935 Chiltorn Road  
Hillsborough, California

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Mr. Joe Quinn  
Box 72, Route 4  
Mesa, Arizona

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mrs. Omega E. Quinn  
3592 F. Inwood Road  
Dallas 9, Texas

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mr. T. H. McElvain and  
Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Gerald F. Harrington  
708-44th Street  
Des Moines 12, Iowa

# El Paso Natural Gas Company

El Paso, Texas

April 27, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

File  
540

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELLS  
AND NINTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective April 1, 1959

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 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:

1. The San Juan 27-5 Unit #41 (PM) Well is located 1650' from the South line and 1650' from the West line of Section 21, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on February 19, 1959, and completed on March 12, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5671'. The Pictured Cliffs Formation between 3290'-3300', 3320' - 3326', 3338' - 3348' was perforated and treated with a sand-water fracturing process on March 7, 1959. After being shut-in for eighteen (18) days, the Pictured Cliffs Formation was tested on March 30, 1959, and following a three (3) hour blow-down period gauged 2156 MCFGPD through a 3/4" choke and 2218 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1019#. The committed drilling block upon which

this well is located is described as the W/2 of Section 21, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Fifth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective July 1, 1958, as an intervening drilling block.

2. The San Juan 27-5 Unit #43 (PM) Well, located 1000' from the South line and 990' from the West line of Section 24, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 16, 1959, and completed on March 7, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5756'. The Pictured Cliffs Formation between 3410' - 3420', 3424' - 3440', 3446' - 3460' was perforated and treated with a sand-water fracturing process on March 7, 1959. After being shut-in for gauge for seventeen (17) days, the well was tested on March 24, 1959, and following a three (3) hour blow-down period gauged 2652 MCFGPD through a 3/4" choke and 2778 MCFGPD by the calculated absolute open-flow method, with an SIPC of 983#. The committed drilling block upon which this well is located is described as the W/2 of Section 24, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Seventh Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective October 1, 1958, as an intervening drilling block.

3. The San Juan 27-5 Unit #45 (PM) Well is located 1550' from the South line and 1750' from the West line of Section 6, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on February 19, 1959, and completed on March 12, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5749'. The Pictured Cliffs Formation between 3362' - 3372', 3378' - 3386', 3400' - 3410' was perforated and treated with a sand-water fracturing process on March 7, 1959. After being shut-in for eighteen (18) days, the Pictured Cliffs Formation was tested on March 30, 1959, and following a three (3) hour blow-down period gauged 3854 MCFGPD through a 3/4" choke, and 4198 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1054#. The committed drilling block upon which this well is located is described as the W/2 of Section 6, Township 27 North, Range 5 West, N.M.P.M., containing 321.74 acres.
4. The San Juan 27-5 Unit #48 (PM) Well, located 1650' from the South line and 1650' from the West line of Section 19, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 20, 1959, and completed on March 7, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5471'. The Pictured Cliffs Formation between 3114' - 3124', 3134' - 3152' was perforated

and treated with a sand-water fracturing process on March 3, 1959. After being shut-in for gauge for seventeen (17) days, the well was tested on March 24, 1959, and following a three (3) hour blow-down period gauged 1714 MCFGPD through a 3/4" choke, and 1741 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1088#. The committed drilling block upon which this well is located is described as the W/2 of Section 19, Township 27 North, Range 5 West, N.M.P.M., containing 321.76 acres.

The foregoing wells are included in the Ninth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective April 1, 1959.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde Drilling Block in which the San Juan 27-5 Unit #41 (PM) Well was also completed was admitted to the Mesaverde Participating Area as an intervening drilling block effective July 1, 1958, and the Mesaverde Drilling Block in which the San Juan 27-5 Unit #43 (PM) Well was also completed was admitted to the Mesaverde Participating Area as an intervening drilling block effective September 1, 1958. A Notice of Completion of Additional Wells will be sent by separate letter. The Mesaverde Formation in which the San Juan 27-5 Unit #45 (PM) Well and the San Juan 27-5 Unit #48 (PM) Well were also completed will be expanded effective April 1, 1959, by separate letter.

Attached hereto is Schedule X showing the Ninth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of April 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

Approved: \_\_\_\_\_  
Secretary-Director  
BUREAU OF CONSERVATION COMMISSION

FWE:GWO:ch  
Attachment

# El Paso Natural Gas Company

El Paso, Texas

April 27, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

File 540

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
NINETEENTH EXPANDED PARTICIPATING  
AREA and NOTICE OF COMPLETION OF  
ADDITIONAL WELLS.  
Mesaverde Formation  
Effective April 1, 1959

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 four (4) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the unit. These wells are as follows:

1. The San Juan 27-5 Unit #41 (PM) Well, located 1650' from the South line and 1650' from the West line of Section 21, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 19, 1959 and completed on March 12, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5669'. The Point Lookout Section of the Mesaverde Formation between 5450' - 5460'; 5470' - 5480'; 5500' - 5510'; 5536' - 5546' was perforated and treated with a sand-water fracturing process on March 6, 1959. After being shut-in for gauge for seven (7) days, the well was tested on March 19, 1959, and following a three (3) hour blow-down period gauged 1734 MCFGPD through a 3/4" choke and 1848 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1013#. The committed drilling block upon which this well is located is described as the W/2 of Section 21, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Fifteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective July 1, 1958, as an intervening drilling block.

2. The San Juan 27-5 Unit #43 (PM) Well, located 1000' from the South line and 990' from the West line of Section 24, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 16, 1959, and completed on March 7, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5660'. The Point Lookout Section of the Mesaverde Formation between 5552' - 5562'; 5580' - 5592'; 5599' - 5611'; 5616' - 5630' was perforated and treated with a sand-water fracturing process on March 3, 1959. After being shut-in for gauge for ten (10) days, the well was tested on March 17, 1959, and following a three (3) hour blow-down period gauged 2480 MCFGPD through a 3/4" choke, and 2784 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1100#. The committed drilling block upon which this well is located is described as the W/2 of Section 24, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Seventeenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective September 1, 1958, as an intervening drilling block.

3. The San Juan 27-5 Unit #45 (PM) Well, located 1550' from the South line and 1750' from the West line of Section 6, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 19, 1959, and completed on March 12, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5749'. The Cliff House and Point Lookout Sections of the Mesaverde Formation between 5156' - 5170'; 5550' - 5560'; 5574' - 5584'; 5596' - 5606'; 5620' - 5630'; 5636' - 5646' were perforated and treated with a sand-water fracturing process on March 7, 1959. After being shut-in for gauge for seven (7) days, the well was tested on March 19, 1959, and following a three (3) hour blow-down period gauged 3305 MCFGPD through a 3/4" choke, and 4328 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1047#. The committed drilling block upon which this well is located is described as the W/2 of Section 6, Township 27 North, Range 5 West, N.M.P.M., containing 321.74 acres.
4. The San Juan 27-5 Unit #48 (PM) Well, located 1650' from the South line and 1650' from the West line of Section 19, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 20, 1959, and completed on March 7, 1959, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5471'. The Point Lookout Section of the Mesaverde Formation between 5254' - 5264'; 5270' - 5288'; 5334' - 5344'; 5364' - 5374'; 5392' - 5402' was perforated and treated with a sand-water fracturing process on March 3, 1959. After being shut-in for gauge for nine (9) days, the well was tested on March 16, 1959, and following a three (3) hour blow-down period gauged 2766 MCFGPD through a 3/4" choke, and 3211 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1083#. The committed drilling block upon which this well is located is described as the W/2 of Section 19, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing wells are included in the Nineteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective April 1, 1959.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953, the Pictured Cliffs Drilling Block in which the San Juan 27-5 Unit #41 (PM) Well was also completed was admitted to the Pictured Cliffs Participating Area as an intervening drilling block, effective July 1, 1958. The Pictured Cliffs Drilling Block in which the San Juan 27-5 Unit #43 (PM) Well was also completed was admitted to the Pictured Cliffs Participating Area as an intervening drilling block effective October 1, 1958. A Notice of Completion of Additional Wells will be sent by separate letter. The Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #45 (PM) Well and the San Juan 27-5 Unit #48 (PM) Wells were also completed will be expanded effective April 1, 1959, by separate letter.

The completion of the San Juan 27-5 Unit #41 (PM) Well creates one intervening drilling block described as the W/2 of Section 28, Township 27 North, Range 5 West, N. M.P.M., and the admission to the Mesaverde Participating Area of the San Juan 27-5 Unit #48 (PM) Well creates one intervening drilling block described as the E/2 of Section 19, Township 27 North, Range 5 West, N.M.P.M. Under the terms of the Unit Agreement these two (2) intervening drilling blocks are admitted to the Mesaverde Participating Area effective April 1, 1959, and a well must be commenced on said intervening drilling blocks by April 1, 1960.

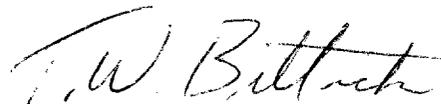
Attached is Schedule XX showing the Nineteenth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of April 1, 1959.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ic

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

March 4, 1959

File  
540

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit Area #14-08-001-950  
Rio Arriba County, New Mexico  
Notice of Approval of the 1959  
Drilling Program

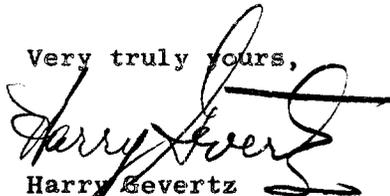
Gentlemen:

This is to advise you that the 1959 Drilling Program for the San Juan 27-5 Unit Area was approved as follows:

1. Acting Supervisor, United States Geological Survey  
on February 6, 1959.
2. Commissioner of Public Lands of the State of New Mexico  
on March 2, 1959.
3. Oil Conservation Commission of the State of New Mexico  
on January 29, 1959.

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

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:pc  
Attachment

In reply refer to:  
Unit Division

March 2, 1959

File  
5-40

El Paso Natural Gas Company  
El Paso, Texas

ATTENTION: Mr. Sam Smith

Re: San Juan 27-5 Unit,  
Rio Arriba County,  
New Mexico.  
1959 Drilling Program

Gentlemen:

We are enclosing one copy of the 1959 Drilling Program for San Juan 27-5 Unit Area, Rio Arriba County, New Mexico.

This Drilling Program was approved by the Commissioner of Public Lands March 2, 1959.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m

cc: OCC- Santa Fe  
USGS- Roswell  
Mr. Harry Gevertz

C  
O  
P  
Y

P. O. Box 6721  
Roswell, New Mexico

February 6, 1959

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

File  
546

Attention: Mr. Sam Smith

Gentlemen:

Your 1959 Plan of Development, dated January 2, 1959, for the San Juan 27-5 unit area, No. 14-08-001-950 Rio Arriba County, New Mexico proposing the drilling of two Pictured Cliffs wells, one Mesaverde well and seven dual Pictured Cliffs-Mesaverde wells has been approved today, subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

EDWIN M. THOMASSON  
Acting Oil and Gas Supervisor

Enclosure 2

Copy to: Washington (w/copy of plan)  
Farmington (w/copy of plan)  
NMOCC, Santa Fe (letter only)  
Comm. Pub. Lands, Santa Fe (letter only)

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 29, 1959

C  
O  
P  
Y  
El Paso Natural Gas Company  
Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1959 Drilling Program  
San Juan 27-5 Unit  
Rio Arriba County, N.M.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1959 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 of the State of New Mexico.

One approved copy of the application is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/RLS/ir

cc: State Land Office - Santa Fe, New Mexico  
U. S. Geological Survey - Roswell, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

January 2, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1959 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 27-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1959 Drilling Program for the San Juan 27-5 Unit #14-08-001-950.

The Drilling Program for the San Juan 27-5 Unit for the calendar year 1958 was comprised of eleven (11) wells, one (1) of which was carried over from the Drilling Program for the calendar year 1957. All eleven (11) of the foregoing wells were scheduled for completion in both the Pictured Cliffs and Mesaverde Formations, and all of the eleven (11) wells have been completed in both the Pictured Cliffs and Mesaverde Formations. The eleven drilling blocks on which said wells are located have been admitted to the Participating Areas for both the Pictured Cliffs and Mesaverde Formations.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1959 consisting of two (2) Pictured Cliffs Wells, one (1) Mesaverde Well and seven (7) dual Pictured Cliffs-Mesaverde Wells as set out below:

## DRILLING BLOCK

W/2 Section 12, T-27-N, R-5-W  
W/2 Section 16, T-27-N, R-5-W  
W/2 Section 21, T-27-N, R-5-W  
  
W/2 Section 22, T-27-N, R-5-W  
  
W/2 Section 24, T-27-N, R-5 W

## FORMATION

Mesaverde  
Pictured Cliffs  
Dual, Pictured Cliffs  
and Mesaverde  
Dual, Pictured Cliffs  
and Mesaverde  
Dual, Pictured Cliffs  
and Mesaverde

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
E/2 Section 29, T-27-N, R-5-W	Pictured Cliffs
W/2 Section 6, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
W/2 Section 7, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
W/2 Section 18, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde
W/2 Section 19, T-27-N, R-5-W	Dual, Pictured Cliffs and Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed Pictured Cliffs wells to the base of the Pictured Cliffs Formation using rotary and cable tools. Surface casing will be set to approximately 100' from the surface, and then a production string of 5 1/2" casing will be set through the Pictured Cliffs Formation. Mud will be used in drilling through the Pictured Cliffs Formation and cable tools will be used for completion work. The entire Pictured Cliffs Formation will be subjected to a hydraulic fracturing process. Due care will be taken to protect all horizons.

El Paso Natural Gas Company, as Unit Operator, intends to drill the above listed Mesaverde well to the base of the Mesaverde Formation using rotary tools. Surface casing of 10 3/4" will be set to approximately 150' below the surface and an intermediate string of 7 5/8" will be set through the Pictured Cliffs Formation to a depth of approximately 3200'. A 5 1/2" production string will be set through the Mesaverde Formation, and the casing of the Mesaverde Formation will then be selectively perforated and the Mesaverde Formation will be subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing, and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed Mesaverde-Pictured Cliffs dual wells to the base of the Mesaverde Formation using rotary tools. Surface casing of 10 3/4" will be set to approximately 150' below the surface and an intermediate string of 7 5/8" will be set through the Pictured Cliffs Formation to a depth of approximately 3200'. A 5 1/2" production liner will be set from this point through the Mesaverde Formation. The Mesaverde Formation will then be selectively perforated and subjected to a hydraulic fracturing process, after which a bridging plug will be set above the Mesaverde Formation and the Pictured Cliffs Formation will be selectively perforated and subjected to a hydraulic fracturing process. For completion, a production packer will be set between the two formations using 2" tubing to produce the Mesaverde. A string of 1 1/4" tubing will be run through which the Pictured Cliffs Formation will be produced. Mud will be used in setting the intermediate string of casing and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

In addition to the above wells, El Paso Natural Gas Company, as Unit Operator, also 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.

The Working Interest Owners have been contacted and this Drilling Program reflects their requests for additional drilling.

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

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith  
Manager  
Land Department

SS:GWO:ch  
Attachment

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate State officials.

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

APPROVED:  \_\_\_\_\_ DATE: Jan. 27, 1959  
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 1959 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico.

**WORKING INTEREST OWNERS**

San Juan 27-5 Unit

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth 1, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City 10, Utah

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Thomas F. Harrington  
935 Chiltorn Road  
Hillsborough, California

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
Post Office Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada

M. Mike Abraham  
814 Mercantile Bank Building  
Dallas, Texas

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. Donald Anderson  
Malco Refineries, Inc.  
Post Office Box 660  
Roswell, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Company  
311 Equitable Building  
Denver 2, Colorado

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors &  
Co-Executrix of the Estate of N.B. Stern  
Bishop Building  
Santa Fe, New Mexico

Mr. T. H. McElvain  
Catherine B. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
3592 F Inwood Road  
Dallas 9, Texas

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

WORKING INTEREST OWNERS  
San Juan 27-5 Unit  
Page 2

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Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Gerald F. Harrington  
708 44th Street  
Des Moines 12, Iowa

Mr. Pablo Candelaria  
Aztec, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

December 3, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
EIGHTEENTH EXPANDED PARTICIPATING  
AREA and NOTICE OF COMPLETION OF  
AN ADDITIONAL WELL  
Mesaverde Formation  
Effective November 1, 1958

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 Mesaverde Formation have been completed upon acreage committed to the unit. These wells are as follows:

1. The San Juan 27-5 Unit #32 (PM) Well, located 1550' from the North line and 1550' from the East line of Section 25, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 13, 1958 and completed on September 4, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5837'. The Point Lookout Section of the Mesaverde Formation between 5642'-5664', 5672'-5694', 5702'-5710', 5716'-5730', 5756'-5770', 5780'-5796' was perforated and treated with a sand-water fracturing process on August 30, 1958. After being shut-in for gauge for thirty-three (33) days, the well was tested on October 7, 1958, and following a three (3) hour blow-down period gauged 3636 MCFGPD through a 3/4" choke and 4641 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1151#. The committed drilling block upon which this well is located is described as the E/2 of Section 25, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Seventeenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective September 1, 1958, as an intervening drilling block.

2. The San Juan 27-5 Unit #35 (PM) Well, located 1120' from the South line and 990' from the West line of Section 33, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 23, 1958 and completed on September 10, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5541'. The Point Lookout Section of the Mesaverde Formation between 5340'-5364', 5374'-5394', 5412'-5434', 5450'-5474' was perforated and treated with a sand-water fracturing process on June 5, 1958. After being shut-in for gauge for twenty-seven (27) days, the well was tested on October 7, 1958, and following a three (3) hour blow-down period gauged 1435 MCFGPD through a 3/4" choke, and 1509 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1109#. The committed drilling block upon which this well is located is described as the W/2 of Section 33, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing well is included in the Eighteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective November 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Pictured Cliffs drilling block in which the San Juan 27-5 Unit #32 (PM) Well was also completed was admitted to the Pictured Cliffs Participating Area as an intervening drilling block effective August 1, 1958, and a Notice of Completion of an Additional Well will be sent by separate letter. The Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #35 (PM) Well was also completed will be expanded effective November 1, 1958 by separate letter.

Attached is Schedule XIX showing the Eighteenth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of November 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

# El Paso Natural Gas Company

El Paso, Texas

November 25, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
**NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND EIGHTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective November 1, 1958**

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 #32 (PM) Well is located 1550' from the North line and 1550' from the East line of Section 25, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 13, 1958, and completed on September 4, 1958, in the Pictured Cliffs and Mesa-verde Formations at a total depth of 5837'. The Pictured Cliffs Formation between 3490' - 3504', 3514' - 3532', 3538' - 3566' was perforated and treated with a sand-water fracturing process on August 30, 1958. After being shut-in for forty-seven (47) days, the Pictured Cliffs Formation was tested on October 21, 1958, and following a three (3) hour blow-down period gauged 3673 MCFGPD through a 3/4" choke and 4002 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1022#. The committed drilling block upon which this well is located is described as the E/2 of Section 25, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Sixth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective August 1, 1958, as an intervening drilling block.

The San Juan 27-5 Unit #35 (PM) Well is located 1120' from the South line and 990' from the West line of Section 33, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 23, 1958, and completed on September 10, 1958, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5541'. The Pictured Cliffs Formation between 3180' - 3192', 3206' - 3214', 3224' - 3244' was perforated and treated with a sand-water fracturing process on June 5, 1958. After being shut-in for forty-one (41) days, the Pictured Cliffs Formation was tested on October 21, 1958, and following a three (3) hour blow-down period gauged 1462 MCFGPD through a 3/4" choke, and 1481 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1002#. The committed drilling block upon which this well is located is described as the W/2 of Section 33, Township 27 North, Range 5 West, N.M.P.M. containing 320.00 acres.

The foregoing well is included in the Eighth Expanded Participating Area of the Pictured Cliffs Formation of the San Juan 27-5 Unit, effective November 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Mesaverde drilling block in which the San Juan 27-5 Unit #32 (PM) Well was also completed was admitted to the Mesaverde Participating Area effective September 1, 1958, as an intervening drilling block, and a Notice of Completion of Additional Well will be sent by separate letter. The Participating Area for the Mesaverde Formation in which the San Juan 27-5 Unit #35 (PM) Well was also completed will be expanded effective November 1, 1958, by separate letter.

Attached hereto is Schedule IX showing the Eighth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of November 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

# El Paso Natural Gas Company

El Paso, Texas

October 29, 1958

12

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
**SEVENTH EXPANDED PARTICIPATING AREA**  
Pictured Cliffs Formation  
Effective October 1, 1958

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 #28 (PM) Well is located 800' from the South line and 800' from the West line of Section 25, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on July 24, 1958, and completed on August 14, 1958, in the Pictured Cliffs and Mesa-verde Formations at a total depth of 5800'. The Pictured Cliffs Formation between 3476' - 3492', 3498' - 3514' was perforated and treated with a sand-water fracturing process on August 7, 1958. After being shut-in for twenty (20) days the Pictured Cliffs Formation was tested on September 3, 1958 and following a three (3) hour blow-down period gauged 9030 MCFGPD through a 3/4" choke and 21,636 MCFGPD by the calculated absolute open-flow method, with an SIPC of 957#. The committed drilling block upon which this well is located is described as the W/2 of Section 25, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing well is included in the Seventh Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective October 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Participating Area for the Mesaverde Formation in which the San Juan 27-5 #28 (PM) Well was also completed was expanded September 1, 1958 by separate letter.

With the admission to the Pictured Cliffs Participating Area of the San Juan 27-5 #28 (PM) Well, one (1) intervening drilling block described as the W/2 of Section 24, and containing 320.00 acres was created. Under the terms of the Unit Agreement, this drilling block is admitted to the Pictured Cliffs Participating Area effective October 1, 1958, and a well must be commenced on said intervening drilling block by October 1, 1959.

Attached hereto is Schedule VIII showing the Seventh Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of October 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ch  
Attachment

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

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

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

Mr. Donald Anderson  
Malco Refineries, Inc.  
P. O. Box 660  
Roswell, New Mexico

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. P. Moroney  
Colorado Oil & Gas Co.  
311 Equitable Building  
Denver 2, Colorado

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City, Utah

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
The Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
935 Chiltorn Road  
Hillsborough, California

Mr. Joe Quinn  
P. O. Box 708  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mrs. Omega E. Quinn  
125 Ninth Street  
Albuquerque, New Mexico

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

October 12, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
SEVENTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective September 1, 1958

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 Mesaverde Formation have been completed upon acreage committed to the unit. These wells are as follows:

1. The San Juan 27-5 Unit #31 (PM) Well, located 990' from the North line and 990' from the East line of Section 24, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 4, 1958, and completed on July 20, 1958, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5838'. The Cliff House and Point Lookout Sections of the Mesaverde Formation between 5162'-5180', 5190' - 5200', 5210' - 5232', 5300' - 5314', 5330' - 5352', 5602' - 5620', 5630' - 5640', 5654' - 5668', 5678' - 5690', 5710' - 5744' were perforated and treated with a sand-water fracturing process on May 23, 1958. After being shut-in for gauge for eighteen (18) days, the well was tested on August 7, 1958, and following a three (3) hour blow-down period gauged 3262 MCFGPD through a 3/4" choke, and 4155 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1049#. The committed drilling block upon which this well is located is described as the E/2 of Section 24, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

2. The San Juan 27-5 Unit #28 (PM) Well, located 800' from the South line and 800' from the West line of Section 25, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 24, 1958, and completed on August 14, 1958, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5800'. The Point Look-out Section of the Mesaverde Formation between 5586' - 5606', 5618' - 5640', 5656' - 5688', 5718' - 5740', 5746' - 5756' was perforated and treated with a sand-water fracturing process on August 7, 1958. After being shut-in for gauge for thirteen (13) days, the well was tested on August 27, 1958, and following a three (3) hour blow-down period gauged 2497 MCFGPD through a 3/4" choke, and 2817 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1119#. The committed drilling block upon which this well is located is described as the W/2 of Section 25, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing wells are included in the Seventeenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective September 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, #14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #31 (PM) Well was also completed was expanded effective August 1, 1958 by separate letter, and the Pictured Cliffs Formation in which the San Juan 27-5 Unit #28 (PM) Well was also completed will be expanded effective October 1, 1958, by separate letter.

The completion of the San Juan 27-5 #31 (PM) Well creates one intervening drilling block described as the E/2 of Section 25, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres, and the completion of the San Juan 27-5 Unit #28 (PM) Well creates one intervening drilling block described as the W/2 of Section 24, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. The foregoing described intervening drilling blocks are admitted to the Mesaverde Participating Area effective September 1, 1958, and a well must be commenced on each one of said intervening drilling blocks by September 1, 1959.

Attached is Schedule XVIII showing the Seventeenth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of September 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

# El Paso Natural Gas Company

El Paso, Texas

September 23, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit No. 14-08-001-950  
Rio Arriba County, New Mexico  
SIXTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective August 1, 1958

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that five (5) 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:

1. The San Juan 27-5 Unit #31 (PM) Well is located 990' from the North line and 990' from the East line of Section 24, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 4, 1958 and completed July 20, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5838'. The Pictured Cliffs Formation between 3446' - 3464', 3474' - 3502' was perforated and treated with a sand-water fracturing process. After being shut-in for ten (10) days, the Pictured Cliffs Formation was tested on July 30, 1958, and following a three (3) hour blow-down period gauged 3944 MCFGPD through a 3/4" choke and 5429 MCFGPD by the calculated absolute open flow method, with an SIPC of 940#. The committed drilling block upon which this well is located is described as the E/2 of Section 24, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

2. The San Juan 27-5 Unit #33 (PM) Well is located 1650' from the North line and 1550' from the East line of Section 26, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 21, 1958 and completed June 19, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5707'. The Pictured Cliffs Formation between 3364' - 3400', 3414' - 3436' was perforated and treated with a sand-water fracturing process. After being shut-in for twenty-nine (29) days, the Pictured Cliffs Formation was tested on July 18, 1958, and following a three (3) hour blow-down period gauged 5771 MCFGPD through a 3/4" choke and 7113 MCFGPD by the calculated absolute open flow method, with an SIPC of 1058#. The committed drilling block upon which this well is located is described as the E/2 of Section 26, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.
  
3. The San Juan 27-5 Unit #34 (PM) Well is located 1090' from the South line and 890' from the West line of Section 30, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 2, 1958 and completed June 7, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5447'. The Pictured Cliffs Formation between 3096' - 3106', 3114' - 3130', 3138' - 3150' was perforated and treated with a sand-water fracturing process. After being shut-in for eight (8) days, the Pictured Cliffs Formation was tested on July 8, 1958, and following a three (3) hour blow-down period gauged 1691 MCFGPD through a 3/4" choke and 1727 MCFGPD by the calculated absolute open flow method, with an SIPC of 970#. The committed drilling block upon which this well is located is described as the W/2 of Section 30, Township 27 North, Range 5 West, N.M.P.M., containing 320.28 acres.
  
4. The San Juan 27-5 Unit #36 (PM) Well is located 1650' from the North line and 1655' from the East line of Section 36, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on June 14, 1958 and completed July 11, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 6286'. The Pictured Cliffs Formation between 3922' - 3938', 3944' - 3962' was perforated and treated with a sand-water fracturing process. After being shut-in for ten (10) days, the Pictured Cliffs Formation was tested on July 21, 1958, and following a three (3) hour blow-down period gauged 5626 MCFGPD through a 3/4" choke and 7555 MCFGPD by the calculated absolute open flow method, with an SIPC of 905#. The committed drilling block upon which this well is located is described as the E/2 of Section 36, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

5. The San Juan 27-5 Unit #38-16 (PM) Well is located 1580' from the North line and 2125' from the East line of Section 16, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 30, 1958 and completed June 16, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5807'. The Pictured Cliffs Formation between 3430' - 3478' was perforated and treated with a sand-water fracturing process. After being shut-in for seven (7) days, the Pictured Cliffs Formation was tested on July 1, 1958, and following a three (3) hour blow-down period gauged 2172 MCFGPD through a 3/4" choke and 2237 MCFGPD by the calculated absolute open flow method, with an SIPC of 1069#. The committed drilling block upon which this well is located is described as the E/2 of Section 16, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing wells are included in the Sixth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective August 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, the participating area for the Mesaverde Formation in which the San Juan 27-5 Unit #36 (PM) Well was also completed will be expanded effective August 1, 1958 by separate letter. The participating area of the Mesaverde Formation in which the San Juan 27-5 Unit #31 (PM) Well was also completed will be expanded effective September 1, 1958 by separate letter. The San Juan 27-5 Unit #33 (PM) Well was also completed in the Mesaverde Formation on a drilling block that had been admitted to the Mesaverde Participating Area as an intervening drilling block effective July 1, 1957, and a Notice of Completion of an additional well will be sent by separate letter. The participating area of the Mesaverde Formation in which the San Juan 27-5 Unit #34 (PM) Well was also completed was expanded effective July 1, 1958 by separate letter, and the Mesaverde drilling block in which the San Juan 27-5 Unit #38-16 (PM) Well was also completed was included in the Fourteenth Expanded Participating Area of the Mesaverde Formation, effective June 1, 1958, as an intervening drilling block, and a Notice of Completion of an additional well was mailed by separate letter.

With the admission to the Pictured Cliffs Participating Area of the San Juan 27-5 Unit #31 (PM) Well and the San Juan 27-5 Unit #36 (PM) Well, an intervening drilling block described as the E/2 of Section 25, Township 27 North, Range 5 West, N.M.P.M., was created; and with the admission to the Pictured Cliffs Participating Area of the San Juan 27-5 Unit #38-16 (PM) Well, an intervening drilling block described as the W/2 of Section 16, Township 27 North, Range 5 West, N.M.P.M., was created. Each of the foregoing drilling blocks contain 320.00 acres, and under the terms of the Unit Agreement both are admitted to the Pictured Cliffs Participating Area, effective August 1, 1958, and a well must be commenced on each of the two above mentioned drilling blocks by August 1, 1959.

Attached hereto is Schedule VII showing the Sixth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the expanded participating area, shows the percentage of unitized substances

allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this expanded participating area will become effective as of August 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:jb  
Attachments

cc: Attached sheet

# El Paso Natural Gas Company

El Paso, Texas

September 22, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, #14-08-001-950  
Rio Arriba County, New Mexico  
**NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND SIXTEENTH EXPANDED PARTICIPATING AREA**  
Mesaverde Formation  
Effective August 1, 1958

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 Mesaverde Formation have been completed upon acreage committed to the unit. These wells are as follows:

1. The San Juan 27-5 Unit #33 (PM) Well, located 1650' from the North line and 1550' from the East line of Section 26, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 21, 1958 and completed on June 19, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5707'. The Point Lookout Section in the Mesaverde Formation between 5506' - 5532', 5544' - 5558', 5568' - 5580', 5630' - 5650' was perforated and treated with a sand-water fracturing process on June 16, 1958. After being shut-in for gauge for twenty-two (22) days, the well was tested on July 9, 1958, and following a three (3) hour blow-down period gauged 2334 MCFGPD through a 3/4" choke and 2564 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1152#. The committed drilling block upon which this well is located is described as the E/2 of Section 26, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Thirteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective July 1, 1957 as an intervening drilling block.

2. The San Juan 27-5 Unit #36 (PM) Well, located 1650' from the North line and 1665' from the East line of Section 36, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 14, 1958 and completed on July 11, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 6286'. The Point Lookout Section of the Mesaverde Formation between 6070' - 6098', 6116' - 6130', 6136' - 6150', 6162' - 6182', 6190' - 6204' was perforated and treated with a sand-water fracturing process on July 7, 1958. After being shut-in for gauge for seventeen (17) days, the well was tested on July 28, 1958 and following a three (3) hour blow-down period gauged 2446 MCFGPD through a 3/4" choke, and 2749 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1098#. The committed drilling block upon which this well is located is described as the E/2 of Section 36, Township 27 North, Range 6 West, N.M.P.M., containing 320.00 acres.

The foregoing well is included in the Sixteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective August 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement, No. 14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit #33 (PM) Well was also completed was expanded effective August 1, 1958 by separate letter and the Pictured Cliffs Formation in which the San Juan 27-5 Unit #36 (PM) Well was also completed was expanded effective August 1, 1958 by separate letter.

Attached is Schedule XVII showing the Sixteenth Expanded Participating Area for the Mesaverde Formation, San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of August 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By:



T. W. Bittick  
Assistant Manager  
Land Department

# El Paso Natural Gas Company

MAIN OFFICE OCC

El Paso, Texas

JUL 31 1958 1:10

File  
170

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement Number 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 additional well capable of producing unitized substances from the Mesaverde Formation has been completed upon acreage committed to the Unit.

This well is as follows:

The San Juan 27-5 #38-16 Well, located 1580' from the North line and 2125' from the East line of Section 16, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 30, 1958, and completed on June 16, 1958 in the Mesaverde Formation at a total depth of 5807'. The Cliff House, Menefee and Point Lookout Sections of the Mesaverde Formation between 5078'-5082', 5086'-5098', 5106'-5116', 5136'-5144', 5150'-5156', 5160'-5168', 5172'-5180', 5202'-5210', 5214'-5220', 5230'-5238', 5442'-5456', 5506'-5512', 5596'-5610', 5616'-5624', 5628'-5634', 5638'-5642', 5650'-5664', 5668'-5686', 5694'-5700', 5706'-5724', 5730'-5744' were perforated and treated with a sand-water fracturing process on April 12, 1958. After being shut-in for gauge for seven (7) days, the well was tested on June 23, 1958, and following a three (3) hour blow-down period gauged 1208 MCFGPD through a 3/4" choke and 1258 MCFGPD by the calculated absolute open flow method with an SIPT of 1011#. The committed drilling block upon which this well is located is described as the E/2 of Section 16, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

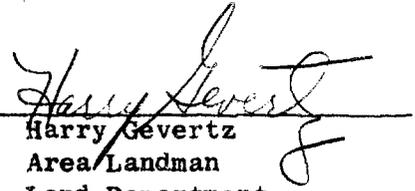
This drilling block was included in the San Juan 27-5 Fourteenth Expanded Participating Area, effective June 1, 1958, as an intervening drilling block. Therefore, the Participating Area is not enlarged, and the percentages allocated to the tracts shown on Schedule XV for the Fourteenth Expanded Participating Area remain the same.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement Number 14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 Unit Well #38-16 was also completed will be expanded effective August 1, 1958, by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:pc

cc: Attached List

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
252 West 1st Street  
Reno, Nevada

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

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

Mr. Donald Anderson  
Malco Refineries, Inc.  
P. O. Box 660  
Roswell, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Corporation  
Colorado Springs, Colorado

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert &  
Morey Goodman, Mrs. Anita S. Friedman,  
Co-Executors of the Estate of  
N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
125 Ninth Street  
Albuquerque, New Mexico

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

(CONTINUED)

Page 2 (Continued)

San Juan 27-5 Unit  
Working Interest Owners

Mr. Pablo Candelaria  
Aztec, New Mexico

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Gerald F. Harrington  
708 44th Street  
Des Moines 12, Iowa

# El Paso Natural Gas Company

1000 El Paso, Texas 33

July 31, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, No. 14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND FIFTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective July 1, 1958

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 Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-5 #37 (PM) Well, located 800' from the North line and 840' from the East line of Section 20, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 21, 1958 and completed on March 15, 1958, in the Mesaverde Formation at a total depth of 5621'. The Cliff House and Point Lookout Sections in the Mesaverde Formation between 4914'-4930', 4956'-4970', 4996'-5012', 5018'-5030', 5436'-5492', 5514'-5532' were perforated and treated with a sand-water fracturing process on March 8, 1958. After being shut-in for gauge for seventy-nine (79) days, the well was tested on June 3, 1958 and following a three (3) hour blow-down period gauged 3639 MCFGPD through a 3/4" choke and 4789 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1109#. The committed drilling block upon which this well is located is described as the E/2 of Section 20, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Eleventh Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective May 1, 1957.

The San Juan 27-5 #34 (PM) Well, located 1090' from the South line and 890' from the West line of Section 30, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 2, 1958, and completed on June 7, 1958, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5447'. The Cliff House and Point Lookout Sections of the Mesaverde Formation between 4780'-4788', 4820'-4827', 5252'-5270', 5278'-5290', 5296'-5306', 5314'-5324', 5350'-5364' were perforated and treated with a sand-water fracturing process on May 28, 1958. After being shut-in for gauge for ten (10) days, the well was tested on June 17, 1958, and following a three (3) hour blow-down period gauged 4115 MCFGPD through a 3/4" choke and 6343 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1030#. The committed drilling block upon which this well is located is described as the W/2 of Section 30, Township 27 North, Range 5 West, N.M.P.M., containing 320.28 acres.

The foregoing well is included in the Fifteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective July 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 #37 (PM) Well was also completed was expanded effective July 1, 1958, by separate letter, and the Pictured Cliffs Formation in which the San Juan 27-5 #34 (PM) Well was also completed will be expanded effective August 1, 1958, by separate letter.

The completion of the San Juan 27-5 #37 (PM) Well creates one (1) intervening drilling block described as the W/2 of Section 21, 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 Mesaverde Participating Area effective July 1, 1958, and a well must be commenced on said intervening drilling block by July 1, 1959.

Attached is Schedule XVI showing the Fifteenth Expanded Participating Area for the Mesaverde Formation for the San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of July 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:jb  
cc: Attached List

El Paso Natural Gas Company  
MAIN OFFICE OCC

El Paso, Texas

PM 1:11

July 24, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit No. 14-08-001-950  
Rio Arriba County, New Mexico  
FIFTH EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective July 1, 1958

Gentlemen:

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that three (3) additional wells capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation have been completed upon acreage committed to the Unit. These wells are as follows:

1. The San Juan 27-5 Unit #29 (PM) Well is located 990' from the South line and 990' from the West line of Section 13, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 21, 1958 and completed May 8, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5812'. The Pictured Cliffs Formation between 3456'-3474', 3488' - 3510' was perforated and treated with a sand-water fracturing process. After being shut-in for twenty-seven (27) days, the Pictured Cliffs Formation was tested on June 5, 1958, and following a three hour blow-down period gauged 1687 MCFGPD through a 3/4" choke and 1718 MCFGPD by the calculated absolute open flow method, with an SIPC of 1024#. The committed drilling

block upon which this well is located is described as the W/2 of Section 13, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

2. The San Juan 27-5 Unit #30 (PM) Well is located 1140' from the North line and 800' from the East line of Section 21, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 4, 1958 and completed April 20, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5723'. The Pictured Cliffs Formation between 3354' - 3384' was perforated and treated with a sand-water fracturing process. After being shut-in for forty-four (44) days, the Pictured Cliffs Formation was tested on June 4, 1958, and following a three hour blow-down period gauged 9721 MCFGPD through a 3/4" choke and 18,441 MCFGPD by the calculated absolute open flow method, with an SIPC of 1064#. The committed drilling block upon which this well is located is described as the E/2 of Section 21, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.
  
3. The San Juan 27-5 Unit #37 (PM) Well is located 800' from the North line and 840' from the East line of Section 20, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on February 21, 1958 and completed March 15, 1958 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5709'. The Pictured Cliffs Formation between 3270' - 3278', 3300' - 3330' was perforated and treated with a sand-water fracturing process. After being shut-in for eighty-six (86) days, the Pictured Cliffs Formation was tested on June 10, 1958, and following a three hour blow-down period gauged 1286 MCFGPD through a 3/4" choke and 1297 MCFGPD by the calculated absolute open flow method, with an SIPC of 1106#. The committed drilling block upon which this well is located is described as the E/2 of Section 20, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing wells are included in the Fifth Expanded Participating Area of the Pictured Cliffs Formation for the San Juan 27-5 Unit, effective July 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953, the Participating Area for the Mesaverde Formation in which the San Juan 27-5 #29 (PM) Well and the San Juan 27-5 #30 (PM) Well were also completed was expanded effective June 1, 1958. The drilling block on which the San Juan 27-5 Unit #37 (PM) Well was also completed in the Mesaverde Formation was included in the Eleventh Expanded Participating Area of the Mesaverde Formation, effective May 1, 1957, as an intervening drilling block. A Notice of Completion of Additional Well will be sent by separate letter.

With the admission to the Pictured Cliffs Participating Area of the San Juan 27-5 #30 (PM) Well and the San Juan 27-5 #37 (PM) Well, two intervening drilling blocks

were created. The two intervening drilling blocks are described as the W/2 of Section 21, containing 320.00 acres and the E/2 of Section 29, containing 320.00 acres, all located in Township 27 North, Range 5 West, N.M.P.M. Under the terms of the Unit Agreement, the above described intervening drilling blocks are admitted to the Pictured Cliffs Participating Area, effective July 1, 1958, and a well must be commenced on each of the two intervening drilling blocks by July 1, 1959.

Attached hereto is Schedule VI showing the Fifth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of July 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:pc  
Enclosures

cc: Attached List

MAIN OFFICE OCC *El Paso Natural Gas Company*

1958 JUL 23 PM 1:26

*El Paso, Texas*

July 23, 1958

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
Tract No. 6

Gentlemen:

Reference is made to the notice of the Fourteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit Area, effective June 1, 1958, said notice bearing the date of June 30, 1958.

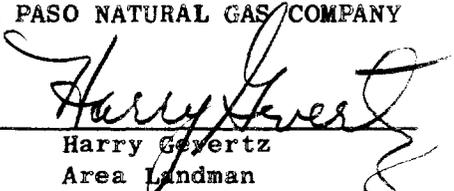
As a result of a typographical error, the S/2 SE/4, NW/4 NE/4 of Section 22, Township 27 North, Range 5 West, was shown in Schedule XV, which accompanied the above captioned expansion, to be fee acreage. The foregoing described lands should have been shown in the above mentioned schedule as being lands held under United States Oil and Gas Lease Santa Fe 079403. It is requested that you make this correction on Page 6 of your copies of Schedule XV which accompanied the Fourteenth Expansion of the Mesaverde Formation for the San Juan 27-5 Unit Area.

A copy of this letter is being sent to the Working Interest Owners shown on the attached sheets. It is requested that each of the Working Interest Owners make the above requested change on their copies of Schedule XV which sets out the percentage of ownership of the various tracts included in the Fourteenth Expansion of the Mesaverde Formation for the above captioned unit.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:jb

cc: Attached List

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas

Mr. W. E. Alsup  
252 West 1st Street  
Reno, Nevada

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

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

Mr. Donald Anderson  
Malco Refineries, Inc.  
P. O. Box 660  
Roswell, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Corporation  
Colorado Springs, Colorado

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert &  
Morey Goodman, Mrs. Anita S. Friedman,  
Co-Executors of the Estate of  
N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
125 Ninth Street  
Albuquerque, New Mexico

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

(CONTINUED)

San Juan 27-5 Unit  
Working Interest Owners

Page 2 (Continued)

Mr. Pablo Candelaria  
Aztec, New Mexico

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Gerald F. Harrington  
708 44th Street  
Des Moines 12, Iowa



IN REPLY REFER TO:

UNITED STATES  
MAIN OFFICE OF THE GEOLOGICAL SURVEY  
1958 JUL 24 AM 8:18 Box 6721  
Roswell, New Mexico

July 21, 1958

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

Attention: T. W. Bittick, Assistant Manager  
Land Department

Gentlemen:

Under date of June 30, 1958, you submitted for acceptance a notice of the Fourteenth Expanded Participating Area, Mesaverde Formation, for the San Juan 27-5 unit, No. 14-08-001-950. The expansion was based on the completion as commercial gas wells of two wells identified as San Juan 27-5 No. 29, S1/2NW sec. 13, T. 27 N., R. 5 W., and San Juan 27-5 No. 30, NENE sec. 21, T. 27 N., R. 5 W.

The notice and attached schedule has been examined and found acceptable and correct with the following exception:

In Schedule XV, Page 6, Tract 6, the S1/2E1/4 and NW1/4NE1/4 sec. 22, T. 27 N., R. 5 W., 120 acres, is described as Fee land. Geological Survey records show this tract is embraced in lease Santa Fe 079403.

We have made appropriate correction in ink on the four copies of the schedule submitted. It is requested you note your records accordingly, and also notify the Working Interest Owners previously furnished the schedule.

Sincerely,

(Orig. Sgd.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington  
ELM-Santa Fe  
Farmington

**ILLEGIBLE**

El Paso Natural Gas Company

1958 JUL 25 AM 8:19 El Paso, Texas  
June 30, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

RECEIVED  
JUL 30 1958  
U.S. GEOLOGICAL SURVEY  
POST OFFICE BOX 6721  
ROSWELL, NEW MEXICO

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

*Handwritten signature*

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

Re: San Juan 27-5 Unit, No. 14-08-001-950  
Rio Arriba County, New Mexico  
FOURTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective June 1, 1958

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 Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-5 #29 (PM) Well, located 990' from the South line and 990' from the West line of Section 13, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 21, 1958 and completed on May 8, 1958, in the Mesaverde Formation at a total depth of 5812'. The Point Lookout Section in the Mesaverde Formation between 5550' - 5562', 5578' - 5600', 5614' - 5636', 5648' - 5674', 5686' - 5710', 5730' - 5750' was perforated and treated with a sand-water fracturing process on May 4, 1958. After being shut-in for gauge for twenty-one (21) days, the well was tested on May 29, 1958 and following a three (3) hour blow-down period gauged 3101 MCFGPD through a 3/4" choke and 3731 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1117#. The committed drilling block upon which this well is located is described as the W/2 of Section 13, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-5 #30 (PM) Well, located 1140' from the North line and 800' from the East line of Section 21, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 4, 1958, and completed on April 20, 1958, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5723'. The Cliff House and Point Look-out Sections of the Mesaverde Formation between 5001' - 5021', 5107' - 5125', 5497' - 5509', 5517' - 5539', 5553' - 5567', 5577' - 5593', 5609' - 5623', 5637' - 5657' were perforated and treated with a sand-water fracturing process on April 11, 1958. After being shut-in for gauge for thirty-six (36) days, the well was tested on May 27, 1958, and following a three (3) hour blow-down period gauged 2552 MCFGPD through a 3/4" choke and 2886 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1119#. The committed drilling block upon which this well is located is described as the E/2 of Section 21, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing wells are included in the Fourteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective June 1, 1958.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 #29 (PM) Well and the San Juan 27-5 #30 (PM) Well were also completed will be expanded effective July 1, 1958, by separate letter.

With the admission to the Mesaverde Participating Area of the San Juan 27-5 #29 (PM) Well and the San Juan 27-5 #30 (PM) Well, three (3) intervening drilling blocks were created. The three intervening drilling blocks are described as the W/2 of Section 12, containing 320.00 acres; the E/2 of Section 16, containing 320.00 acres; and the W/2 of Section 22, containing 320.00 acres, all located in Township 27 North, Range 5 West, N.M.P.M. Under the terms of the Unit Agreement, the above described intervening drilling blocks are admitted to the Mesaverde Participating Area effective June 1, 1958, and a well must be commenced on each of the three intervening drilling blocks by June 1, 1959.

Attached is Schedule XV showing the Fourteenth Expanded Participating Area for the Mesaverde Formation for the San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of June 1, 1958.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
T. W. Bittick

Assistant Manager

Land Department

# El Paso Natural Gas Company

El Paso, Texas

April 8, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

*Copied 5-4-6*

Re: San Juan 27-5 Unit Area #14-08-001-950  
Rio Arriba County, New Mexico  
Notice of Approval of the 1958  
Drilling Program

Gentlemen:

This is to advise you that the 1958 Drilling Program for the San Juan 27-5 Unit Area was approved as follows:

1. Regional Supervisor, United States Geological Survey  
on February 17, 1958.
2. Commissioner of Public Lands of the State of New Mexico  
on February 10, 1958.
3. Oil Conservation Commission of the State of New Mexico  
on March 28, 1958.

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

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:c1  
Attachment

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 28, 1958

C  
O  
P  
Y  
El Paso Natural Gas Company  
Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Re: San Juan 27-5 Unit Area  
Rio Arriba County, N.M.  
1958 Drilling Program

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1958 Drilling Program for the San Juan 27-5 Unit Area, dated January 21, 1958, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/RLS/ir

Enclosure

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 28, 1958

C  
O  
P  
Y  
El Paso Natural Gas Company  
Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

Re: San Juan 27-5 Unit Area  
Rio Arriba County, New Mexico  
Supplemental 1957 Drilling  
Program

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Supplemental 1957 Drilling Program for the San Juan 27-5 Unit Area, dated October 1, 1957, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the supplement is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/RLS/ir

Enclosure

IN REPLY REFER TO:



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 6721  
Roswell, New Mexico

February 17, 1958

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

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development dated January 21, 1958, for the San Junn 27-5 Unit Area, New Mexico, for the calendar year 1958, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

~~TO: Mr. Sgds~~ JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/copy of plan)  
Farmington (w/copy of plan)  
Comm. of Public Lands, Santa Fe (letter only)  
Oil Cons. Comm., Santa Fe ) letter only)

*El Paso Natural Gas Company*

*El Paso, Texas*

January 22, 1958

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

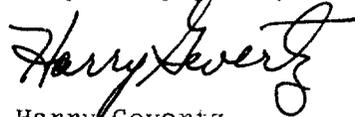
Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
Supplement to 1957 Drilling Program

Gentlemen:

With our letter dated October 1, 1957, El Paso Natural Gas Company, as Unit Operator, filed with you a supplement to the 1957 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico and by our letter of November 27, 1957 we inquired as to what action had been taken toward approving the above mentioned supplement to the 1957 Drilling Program for the San Juan 27-5 Unit.

Inasmuch as we have had no word from you regarding the status of this Supplemental Drilling Program, we will appreciate anything that you might be able to do to expedite approval of this supplement.

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:pc

S.J. 27-5 Unit 5.0  
S.J. 27-5 Unit Drilling Program

# El Paso Natural Gas Company

El Paso, Texas

January 21, 1958

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

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
1958 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 27-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1958 Drilling Program for the San Juan 27-5 Unit #14-08-001-950.

There were nine (9) wells completed on lands committed to the San Juan 27-5 Unit during the calendar year 1957. Of these nine (9) wells, four (4) were completed in both the Pictured Cliffs and Mesaverde Formations and five (5) were completed in the Mesaverde Formation only. By letter dated October 1, 1957, El Paso Natural Gas Company filed a Supplemental Drilling Program consisting of one (1) well. This well has not been drilled as of this date but will be carried over and drilled during the first half of 1958.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1958 consisting of ten (10) wells to be drilled to the Mesaverde and Pictured Cliffs Formations on the following locations:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
W/2 Section 13, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
E/2 Section 16, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
E/2 Section 21, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
E/2 Section 24, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
E/2 Section 20, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs

DRILLING BLOCK

FORMATION

E/2 Section 25, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
E/2 Section 26, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
W/2 Section 30, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
W/2 Section 33, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs
E/2 Section 36, T-27-N, R-5-W	Dual, Mesaverde and Pictured Cliffs

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed Mesaverde-Pictured Cliffs dual wells to the base of the Mesaverde Formation using rotary tools. Surface casing of 10-3/4" will be set to approximately 150' below the surface and an intermediate string of 7-5/8" will be set through the Pictured Cliffs Formation to a depth of approximately 3200'. A 5-1/2" production liner will be set from this point through the Mesaverde Formation. The Mesaverde Formation will then be selectively perforated and subjected to a hydraulic fracturing process, after which a bridging plug will be set above the Mesaverde Formation and the Pictured Cliffs Formation will be selectively perforated and subjected to a hydraulic fracturing process. For completion, a production packer will be set between the two (2) formations using 2" tubing to produce the Mesaverde. A string of 1-1/4" tubing will be run through which the Pictured Cliffs Formation will be produced. Mud will be used in setting the intermediate string of casing and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

In addition to the above wells, El Paso Natural Gas Company, as Unit Operator, also 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.

The Working Interest Owners have been contacted and this Drilling Program reflects their requests for additional drilling.

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

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith  
Manager  
Land Department

SS:GWO:jr

cc: Attached sheet

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate State Officials.

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

APPROVED:  \_\_\_\_\_ DATE: 3-28-58  
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 1958 Drilling Program for the San Juan  
27-5 Unit, Rio Arriba County, New Mexico.

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Sam Dazzo  
615 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

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

Mr. Donald Anderson  
Malco Refineries, Inc.  
P. O. Box 660  
Roswell, New Mexico

Northwest Production Corporation (2)  
520 Simms Building  
Albuquerque, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Corporation  
Colorado Springs, Colorado

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert &  
Morey Goodman, Mrs. Anita S. Friedman,  
Co-Executors of the Estate of  
N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
125 Ninth Street  
Albuquerque, New Mexico

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

(continued)

Page 2 (continued)

San Juan 27-5 Unit  
Working Interest Owners

Mr. Pablo Candelaria  
Aztec, New Mexico

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

In reply refer to:  
Unit Division

February 10, 1958

El Paso Natural Gas Company  
El Paso, Texas

Re: San Juan 27-5 Unit  
Rio Arriba County, New Mexico  
1958 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

We are enclosing one copy of the San Juan 27-5 Plan of Development for 1958, which was approved by the Commissioner of Public Lands February 10, 1958.

Very truly yours,

MURRAY E. MORGAN,  
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/s

cc: ✓ Oil Conservation Commission  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

*El Paso Natural Gas Company*

*El Paso, Texas*

November 27, 1957

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
Supplement to 1957 Drilling Program

Gentlemen:

By letter dated October 1, 1957 El Paso Natural Gas Company, as Unit Operator, filed with you a Supplement to the 1957 Drilling Program for the San Juan 27-5 Unit, Rio Arriba County, New Mexico.

We have received approval of this supplement by the United States Geological Survey and the Commissioner of Public Lands for the State of New Mexico; but as of this date we have had no word from you as to whether or not the above mentioned Supplement to the 1957 Drilling Program has been approved by the Oil Conservation Commission.

Therefore, we respectfully ask that if this application has been acted upon that you furnish us with an approved copy of this above mentioned Supplement to the 1957 Drilling Program.

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:jr

S.J. 27-5 Unit 5.0  
S.J. 27-5 Unit Drilling Program

Box 6721  
Roswell, New Mexico

File  
Case  
540

October 31, 1957

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

Attention: T.W. Fittick

Gentlemen:

Your supplemental plan of development dated October 1, 1957, for the San Juan 27-5 Unit Area, New Mexico, for the calendar year 1957, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

(Orig. Sgd) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington (w/copy of plan)  
Farmington (w/copy of plan)  
Comm. of Public Lands, Santa Fe (letter only)  
Oil Cons. Comm., Santa Fe (letter only)

**ILLEGIBLE**

MAIL OFFICE OCC

NOV 01 1 14 7:59

October 31, 1957

In reply refer to:  
Unit Division

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

Re: San Juan 27-5 Unit -  
Rio Arriba County, N. Mex.  
Supplement to 1957 Drilling  
Program

Gentlemen:

We are enclosing one copy of your Supplement to  
1957 Drilling Program, which was approved by the  
Commissioner of Public Lands October 30, 1957.

This approval is subject to like approval by the  
United States Geological Survey and the New Mexico  
Oil Conservation Commission.

Very truly yours,

MURRAY E. MORGAN  
Commissioner of Public Lands

By: Ted Bilberry, Supervisor  
Oil and Gas Department

MEM:MMR/m  
Enc.

cc: USGS-Roswell  
OCC-Santa Fe

C  
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P  
Y

*100-540*

# El Paso Natural Gas Company

El Paso

El Paso, Texas

October 4, 1957

*File  
Case 540*

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit No. 14-08-001-950  
Rio Arriba County, New Mexico  
FOURTH EXPANDED PARTICIPATING AREA  
PICTURED CLIFFS FORMATION  
Effective August 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 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 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 #27 (PM) Well is located 990' from the South line and 890' from the West line of Section 26, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on June 1, 1957, and completed June 24, 1957, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5709'. The Pictured Cliffs Formation between 3296' - 3329' was perforated and treated with a sand-water fracturing process. After being shut-in for thirty-three (33) days, the Pictured Cliffs Formation was tested on July 31, 1957, and following a three hour blow-down period gauged 12,056 MCFGPD through a 3/4" choke and 42,983 MCFGPD by the calculated absolute open flow method, with an SIPC of 1079#. The committed drilling block upon which this well is located is described as the W/2 of Section 26, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement #14-08-001-950, approved August 31, 1953 the Participating Area for the Mesaverde Formation, in which the San Juan 27-5 #27 (PM) Well was also completed, was expanded effective December 1, 1956 to include the W/2 of Section 26 as an intervening drilling block. A Notice of Completion of an Additional Well has been sent by separate letter.

Attached hereto is Schedule V showing the Fourth Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of August 1, 1957.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cl  
Enclosures

cc: Attached list

El Paso Natural Gas Company

El Paso, Texas

October 1, 1957

Mr. John A. Anderson  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
Rio Arriba County, New Mexico  
SUPPLEMENT TO 1957 DRILLING PROGRAM

Gentlemen:

By letter dated December 31, 1956, El Paso Natural Gas Company, as Unit Operator, filed its 1957 Drilling Program for the above captioned unit, providing for the drilling of nine (9) wells between the dates of January 1, 1957 and December 31, 1957. Six (6) wells were to be drilled to the Mesaverde Formation and three (3) wells were to be dually completed in the Mesaverde and Pictured Cliffs Formations.

The 1957 Drilling Program was approved by the United States Geological Survey on January 28, 1957; the Commissioner of Public Lands of the State of New Mexico on January 11, 1957; and the Oil Conservation Commission of the State of New Mexico on February 8, 1957.

El Paso Natural Gas Company, as Unit Operator, has determined that one additional well should be drilled during 1957. Said well is to be dually completed in the Pictured Cliffs and Mesaverde Formations and is to be located as hereinafter set forth. Therefore, pursuant to Section 10 of the San Juan 27-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Supplemental Drilling Program for the balance of calendar year of 1957 providing for the drilling of the following listed well:

DRILLING BLOCK

W/2 Section 25: T-27-N, R-5-W

FORMATION

Dual, Pictured Cliffs and  
Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill the foregoing well employing the same drilling and completion methods as specified, for a dually completed Pictured Cliffs and Mesaverde Well, in the Drilling Program for the

San Juan 27-5 Unit, dated December 31, 1956.

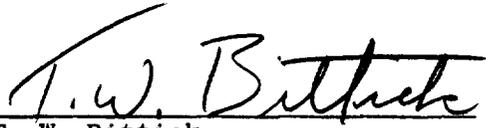
El Paso Natural Gas Company, as Unit Operator, will protect the unit from drainage, and will comply with any drilling requirements created under the terms of the Unit Agreement calling for additional drilling.

If this Supplemental 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 Supplemental Drilling Program are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By:   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cl  
Attachment

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey

Date: \_\_\_\_\_

Subject to like approval by the appropriate State Officials.

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands

Date: \_\_\_\_\_

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission

Date: 3-28-58

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Sam Dazzo  
604 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

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

Mr. Donald Anderson  
Malco Refineries, Inc.  
P. O. Box 660  
Roswell, New Mexico

Northwest Production Corporation  
520 Simms Building  
Albuquerque, New Mexico

Mr. J. P. Moroney  
Colorado Oil & Gas Corporation  
Colorado Springs, Colorado

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert &  
Morey Goodman, Mrs. Anita S. Friedman,  
Co-Executors of the Estate of  
N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
125 Ninth Street  
Albuquerque, New Mexico

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

(continued)

Page 2 (continued)

San Juan 27-5 Unit  
Working Interest Owners

Mr. Pablo Candelaria  
Aztec, New Mexico

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

El Paso Natural Gas Company

R 2  
File 596

RECEIVED  
SEP 27 PM 1:16

El Paso, Texas

September 24, 1957

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit #14-08-001-950  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
MESAVERDE FORMATION

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 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 additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to the Unit.

This well is as follows:

The San Juan 27-5 #23-2 Well located 1650' from the South line and 820' from the West line of Section 2, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 15, 1957 and completed on July 16, 1957 in the Mesaverde Formation at a total depth of 5880'. The Cliff House, Menefee and Point Lookout Sections of the Mesaverde Formation between 5200' - 5292', 5304' - 5316', 5336' - 5340', 5350' - 5354', 5402' - 5406', 5540' - 5544', 5594' - 5598', 5604' - 5612', 5682' - 5714', 5724' - 5732', 5738' - 5766', 5782' - 5794', 5804' - 5808', 5824' - 5830' were perforated on July 1, 1957 and treated with a water fracturing process on July 2, 1957. After being shut-in for gauge for twenty-nine (29) days, the well was tested on August 14, 1957, and following a three (3) hour blow-down period gauged 6329 MCFGPD through a 3/4" choke and 7437 MCFGPD by the calculated absolute open flow method

with an SIPC of 1117# and an SIPT of 1110#. The committed drilling block upon which this well is located is described as the W/2 of Section 2, Township 27 North, Range 5 West, N.M.P.M., containing 319.40 acres.

This drilling block was included in the San Juan 27-5 Twelfth Expanded Participating Area, effective June 1, 1957, as an intervening drilling block. Therefore, the Participating Area is not enlarged, and the percentages allocated to the tracts shown on Schedule XIV for the Thirteenth Expanded Participating Area remain the same.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
\_\_\_\_\_  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:cl

cc: Attached List

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. C. F. Bedford (3)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
Post Office Box 708  
Santa Fe, New Mexico

Mr. Sam Dazzo  
604 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
Post Office Box 335  
Santa Fe, New Mexico

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Northwest Production Corporation  
520 Simms Building  
Albuquerque, New Mexico

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. Donald Anderson  
Malco Refineries, Inc.  
Post Office Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Corporation  
Colorado Springs, Colorado

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert & Morey Goodman  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
125 9th Street  
Albuquerque, New Mexico

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

El Paso Natural Gas Company

RS  
File 570

RECEIVED 27 PM 1:10

El Paso, Texas

September 20, 1957

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit  
#14-08-001-950  
NOTICE OF COMPLETION OF  
ADDITIONAL WELL, MESAVERDE  
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 additional well capable of producing unitized substances from the Mesaverde Formation has been completed upon acreage committed to the Unit.

This well is as follows:

The San Juan 27-5 #27 (PM) Well located 990' from the South line and 890' from the West line of Section 26, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 1, 1957 and completed on June 24, 1957 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5709'. The Point Lookout and Menefee Sections of the Mesaverde Formation between 5410' - 5416', 5493' - 5508', 5514' - 5529', 5556' - 5584' were perforated and treated with a sand-water fracturing process on June 22, 1957. After being shut-in for gauge for fifteen (15) days, the well was tested on July 24, 1957, and following a three (3) hour blow-down period gauged 631 MCFGPD through a 3/4" choke and 635 MCFGPD by the calculated absolute open flow method with an SIPT of 1151#. The committed drilling block upon which this well is located is described as the W/2 of Section

26, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

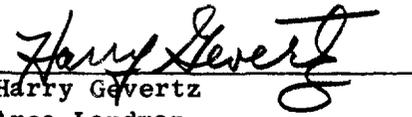
This drilling block was included in the San Juan 27-5 Tenth Expanded Participating Area, effective December 1, 1956, as an intervening drilling block. Therefore, the Participating Area is not enlarged, and the percentages allocated to the tracts shown on Schedule XIV for the Thirteenth Expanded Participating Area remain the same.

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 #27 (PM) Well was also completed will be expanded effective August 1, 1957, by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:c1  
cc: Attached List

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. C. F. Bedford (3)  
Pan American Petroleum Company  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Company  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
Post Office Box 708  
Santa Fe, New Mexico

Mr. Sam Dazzo  
604 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
Post Office Box 335  
Santa Fe, New Mexico

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Northwest Production Corporation  
520 Simms Building  
Albuquerque, New Mexico

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. Donald Anderson  
Malco Refineries, Inc.  
Post Office Box 660  
Roswell, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Corporation  
Colorado Springs, Colorado

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
125 9th Street  
Albuquerque, New Mexico

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

R3  
File 540

El Paso Natural Gas Company

El Paso, Texas

September 6, 1957

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, No. 14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND THIRTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective July 1, 1957

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 Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

✓

The San Juan 27-5 #22 Well located 1650' from the South line and 990' from the West line of Section 1, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on April 7, 1957, and completed on May 24, 1957, in the Mesaverde Formation at a total depth of 6700'. The Cliff House, Menefee and Point Lookout Sections in the Mesaverde Formation between 6074' - 6086', 6096' - 6104', 6110' - 6116', 6120' - 6124', 6138' - 6142', 6230' - 6238', 6334' - 6346', 6396' - 6416', 6430' - 6436', 6480' - 6490', 6496' - 6526', 6532' - 6558', 6562' - 6582', 6592' - 6600' were perforated and treated with a water fracturing process on May 21, 1957. After being shut-in for gauge for seven (7) days, the well was tested on June 5, 1957, and following a three hour blow-down period gauged 4569 MCFGPD through a 3/4" choke and 8920 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1125# and an SIPT of 703#. The

committed drilling block upon which this well is located is described as the W/2 of Section 1, Township 27 North, Range 5 West, N.M.P.M., containing 320.28 acres.

The foregoing well is included in the Thirteenth Expanded Participating Area of the Mesaverde Formation for the San Juan 27-5 Unit, effective July 1, 1957.

The San Juan 27-5 #20 (PM) Well located 800' from the North line and 990' from the East line of Section 35, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 11, 1957, and completed on May 31, 1957, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5807'. The Menefee and Point Lookout Sections of the Mesaverde Formation between 5418' - 5432', 5464' - 5475', 5570' - 5580', 5630' - 5652', 5662' - 5675', 5708' - 5718', 5728' - 5738' were perforated and treated with a sand-water fracturing process on May 27, 1957. After being shut-in for gauge for seven (7) days, the well was tested on June 7, 1957, and following a three hour blow-down period, gauged 1625 MCFGPD through a 3/4" choke and 1705 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1072#. The committed drilling block upon which this well is located is described as the E/2 of Section 35, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block was included in the San Juan 27-5 Tenth Expanded Participating Area, effective December 1, 1956, as an intervening drilling block.

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement Number 14-08-001-950, approved August 31, 1953, the Participating Area for the Pictured Cliffs Formation in which the San Juan 27-5 #20 Well was also completed will be expanded effective July 1, 1957, by separate letter.

The completion of the San Juan 27-5 #20 (PM) Well creates one (1) intervening drilling block described as the E/2 of Section 26, 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 Participating Area on July 1, 1957, and a well must be commenced on said intervening drilling block by July 1, 1958.

Attached is Schedule XIV showing the Thirteenth Expanded Participating Area for the Mesaverde Formation for the San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provisions is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of July 1, 1957.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cl  
Enclosure

cc: Attached list

El Paso Natural Gas Company

El Paso, Texas

September 6, 1957

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit No. 14-08-001-950  
Rio Arriba County, New Mexico  
THIRD EXPANDED PARTICIPATING AREA  
PICTURED CLIFFS FORMATION  
Effective July 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 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 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 #20<sup>✓</sup> Well is located 800' from the North line and 990' from the East line of Section 35, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 11, 1957, and completed May 31, 1957, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5807'. The Pictured Cliffs Formation between 3448' - 3468' was perforated and treated with a sand-water fracturing process. After being shut-in for fourteen (14) days, the Pictured Cliffs Formation was tested on June 14, 1957, and following a three hour blow-down period gauged 8719 MCFGPD through a 3/4" choke and 15,093 MCFGPD by the calculated absolute open flow method, with an SIPC of 1041# and an SIPT of 1042#. The committed drilling block upon which this well is located is described as the E/2 of Section 35, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

Pursuant to Section 11(a) of the San Juan 27-5 Unit Agreement Number 14-08-001-950, approved August 31, 1953, the Participating Area for the Mesaverde Formation in which the San Juan 27-5 #20 Well was also completed will be expanded effective July 1, 1957, by separate letter.

Attached hereto is Schedule IV showing the Third Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of July 1, 1957.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cl  
Enclosures

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas

215  
544

1957 SEP 21 AM 9:03

MAIL OFFICE 000

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit No. 14-08-001-950  
Rio Arriba County, New Mexico  
SECOND EXPANDED PARTICIPATING AREA  
PICTURED CLIFFS FORMATION  
Effective June 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 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 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 #26 Well is located 990' from the North line and 1530' from the East line of Section 17, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on February 27, 1957, and completed March 20, 1957, in the Pictured Cliffs and Mesaverde Formations at a total depth of 5695'. The Pictured Cliffs Formation between 3378' - 3410' was perforated and treated with a sand-water fracturing process. After being shut-in for twenty-six (26) days, the Pictured Cliffs Formation was tested on May 14, 1957, and following a three hour blow-down period gauged 7804 MCFGPD through a 3/4" choke and 11,129 MCFGPD by the calculated absolute open flow method, with an SIPC of 1071# and an SIPT of 1072#. The committed drilling block upon which this well is located is described as the E/2 of Section 17, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, the Participating Area for the Mesaverde Formation in which the San Juan 27-5 #26 Well was also completed was expanded effective May 1, 1957, by separate letter.

Attached hereto is Schedule III showing the Second Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of June 1, 1957.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:nc  
Enclosures

cc: Attached List

SCHEDULE III  
 SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
 SAN JUAN 27-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP AND DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>Tract 3</u>						
SF 079392	T-27-N, R-5-W Sec. 17: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% 2.50%	12.50% 85.00% 2.50%	<u>33.33333%</u>
<u>TOTAL</u>						
				100.00%	100.00%	
<u>Tract 14</u>						
San Juan 27-5 #26 Well	Sec. 17: E/2	320.00	Royalty; Working Interest; Northwest Production Corporation ORRI;	12.50% 75.00% 12.50%	12.50% 75.00% 12.50%	<u>33.33333%</u>
<u>TOTAL</u>						
				100.00%	100.00%	
<u>Tract 15</u>						
E-290-19	T-27-N, R-5-W Sec. 36: N/2 NW/4, SW/4	240.00	Royalty; Working Interest; Pacific Northwest Pipeline Corporation ORRI;	12.50% 87.50% .00%	12.50% 87.50% .00%	<u>25.00000%</u>
<u>TOTAL</u>						
				100.00%	100.00%	
San Juan 27-5 #18 Well	Sec. 36: W/2	320.00				<u>33.33333%</u>

SCHEDULE III  
 SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
 SAN JUAN 27-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP AND DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT
						ACTUAL PARTICIPATION
<u>Tract 14</u>						
E-290-32	T-27-N, R-5-W Sec. 32: SE/4	160.00	Royalty; Working Interest; Northwest Production Corporation ORRI; TOTAL	12.50%  75.00% 12.50% 100.00%	12.50%  75.00% 12.50% 100.00%	<u>16.66667%</u>
<u>Tract 15</u>						
E-290-19	T-27-N, R-5-W Sec. 32: NE/4	160.00	Royalty; Working Interest; Pacific Northwest Pipeline Corporation ORRI; TOTAL	12.50%  87.50% .00% 100.00%	12.50%  87.50% .00% 100.00%	<u>16.66667%</u>
<u>San Juan 27-5 #24-32 Well</u>						
	Sec. 32: E/2	320.00			100.00%	<u>33.33334%</u>

Effective June 1, 1957

SCHEDULE 111  
SECOND EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 27-5 UNIT AREA

RECAPITULATION

Description of lands in Participating Area	
<u>Township 27 North, Range 5 West, N.M.P.M.</u>	
Section 17: E/2	
Section 32: E/2	
Section 36: W/2	
Total Number of Acres in Participating Area:	960.00
Total Number of Acres Committed in Participating Area:	960.00
Total Number of Acres Not Committed in Participating Area:	000.00
Percent of Basic Royalty Committed:	100.00%
Percent of Working Interest Committed:	100.00%
Percent of O.R.R.I. Committed:	100.00%

Effective June 1, 1957

El Paso Natural Gas Company

El Paso, Texas

1957 SEP 2

546

OFFICE OF

11 95

August 30, 1957

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit, No. 14-08-001-950  
Rio Arriba County, New Mexico  
TWELFTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective June 1, 1957

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 additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-5 #25 Well located 890' from the South line and 1000' from the West line of Section 3, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 24, 1957, and completed on April 14, 1957 in the Mesaverde Formation at a total depth of 5813'. The Point Look-out Section in the Mesaverde Formation between 5600' - 5614', 5624' - 5642', 5658' - 5672', 5682' - 5700', 5720' - 5730' was perforated and treated with a sand-water fracturing process on April 10, 1957. The Cliff House Section of the Mesaverde Formation between 5160' - 5170', 5182' - 5192', 5204' - 5216', 5226' - 5236' was also perforated and treated with a sand-water fracturing process on April 10, 1957. After being shut-in for gauge for thirty (30) days the well was tested on

May 14, 1957, and following a three hour blow-down period gauged 4967 MCFGPD through a 3/4" choke and 11,220 MCFGPD by the calculated absolute open flow method, with an SIPC of 1093# and an SIPT of 1095#. The committed drilling block upon which this well is located is described as the W/2 of Section 3, Township 27 North, Range 5 West, N.M.P.M., containing 319.36 acres.

The San Juan 27-5 #21 Well located 990' from the North line and 1650' from the East line of Section 3, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on April 17, 1957, and completed on May 13, 1957 in the Mesaverde Formation at a total depth of 5820'. The Point Lookout Section in the Mesaverde Formation between the intervals of 5594' - 5608', 5624' - 5639', 5676' - 5690', 5724' - 5732' was perforated and treated with a sand-water fracturing process on May 8, 1957. The Cliff House Section in the Mesaverde Formation between the intervals of 5210' - 5223', 5240' - 5264', 5278' - 5286' was perforated and treated with a sand-water fracturing process on May 9, 1957. After being shut-in for gauge for nine (9) days, the well was tested on May 22, 1957, and following a three (3) hour blow-down period, gauged 3996 MCFGPD through a 3/4" choke and 6605 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1089# and an SIPT of 1090#. The committed drilling block upon which this well is located is described as the E/2 of Section 3, Township 27 North, Range 5 West, N.M.P.M., containing 319.16 acres.

The foregoing wells are being included in the Twelfth Expanded Participating Area of the Mesaverde Formation effective June 1, 1957.

With the admission to the Participating Area of the San Juan 27-5 #21 Well, there is one (1) intervening drilling block created which is described as the W/2 of Section 2, Township 27 North, Range 5 West, containing 319.40 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Participating Area on June 1, 1957, and a well must be commenced on said intervening drilling block by June 1, 1958.

Attached is Schedule XIII showing the Twelfth Expanded Participating Area for the San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of June 1, 1957.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By: T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:c1  
Enclosure

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

August 12, 1957

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 27-5 Unit No. 14-08-001-950  
Rio Arriba County, New Mexico  
FIRST EXPANDED PARTICIPATING AREA  
PICTURED CLIFFS FORMATION  
Effective May 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 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 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 #24-32 Well is located 1140' from the North line and 1840' from the East line of Section 32, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 17, 1957, and completed April 12, 1957 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5630'. The Pictured Cliffs Formation between 3244' - 3286' was perforated and treated with a sand-water fracturing process. After being shut-in for seven (7) days, the Pictured Cliffs Formation was tested on April 29, 1957, and following a three hour blow-down period gauged 1409 MCFGPD through a 3/4" choke and 1420 MCFGPD by the calculated absolute open flow method, with an SIPC of 1064# and an SIPT of 1064#. The committed drilling block upon which this well is located is described as the E/2 of Section 32, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

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*file*

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, the Participating Area for the Mesaverde Formation in which the San Juan 27-5 #24-32 Well was also completed will be expanded effective May 1, 1957, by separate letter.

Attached hereto is Schedule II showing the First Expanded Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This Schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of May 1, 1957.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Ass't. Manager  
Land Department

TWB:GWO:cl  
Enclosures

cc: Attached List

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. C. F. Bedford (3)  
Pan American Petroleum Company  
Post Office Box 1410  
Fort Worth, Texas

Mr. Donald Anderson  
Malco Refineries, Inc.  
Post Office Box 660  
Roswell, New Mexico

Pan American Petroleum Company  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. P. Moroney  
Colorado Oil and Gas Corporation  
Colorado Springs, Colorado

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlick (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City, Utah

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Joe Quinn  
Post Office Box 708  
Santa Fe, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. Sam Dazzo  
604 Simms Building  
Albuquerque, New Mexico

Mrs. Omega E. Quinn  
125-9th Street  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Northwest Production Corporation  
520 Simms Building  
Albuquerque, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico

SCHEDULE II  
FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 27-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
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E-290-32	T-27-N, R-5-W Sec. 36: S/2 NW/4	80.00		<u>Tract 14</u>			<u>12.50000%</u>
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Royalty;	12.50%		12.50%	
Working Interest:				
Northwest Production Corporation;	75.00%		75.00%	
ORRI;	<u>12.50%</u>		<u>12.50%</u>	
TOTAL	100.00%		100.00%	

Tract 15

E-290-19	T-27-N, R-5-W Sec. 36: N/2 NW/4, SW/4	240.00					<u>37.50000%</u>
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Royalty;	12.50%		12.50%	
Working Interest:				
Pacific Northwest Pipeline Corporation;	87.50%		87.50%	
ORRI;	<u>.00%</u>		<u>.00%</u>	
TOTAL	100.00%		100.00%	

San Juan 27-5 #18 Well	Sec. 36: W/2	320.00					<u>50.00000%</u>
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Effective May 1, 1957

SCHEDULE II  
FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 27-5 UNIT AREA

PRESENT

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND PERCENTAGE	PERCENTAGE COMMITTED	ACTUAL PARTICIPATION
<u>Tract 14</u>						
E-290-32	T-27-N, R-5-W Sec. 32: SE/4	160.00	Royalty; Working Interest; Northwest Production Corporation; ORRI;	12.50%	12.50%	<u>25.00000%</u>
<u>Tract 15</u>						
E-290-19	T-27-N, R-5-W Sec. 32: NE/4	160.00	Royalty; Working Interest; Pacific Northwest Pipeline Corporation; ORRI;	12.50%	12.50%	<u>25.00000%</u>
<u>San Juan 27-5</u>						
#24-32 Well	Sec. 32: E/2	320.00				<u>50.00000%</u>

Effective May 1, 1957

SCHEDULE II  
FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 27-5 UNIT AREA

RECAPITULATION

Description of lands in Participating Area	
<u>Township 27 North, Range 5 West, N.M.P.M.</u>	
Section 32: E/2	
Section 36: W/2	
Total Number of Acres in Participating Area:	640.00
Total Number of Acres Committed in Participating Area:	640.00
Total Number of Acres not Committed in Participating Area:	000.00
Percent of Basic Royalty Committed:	100.00%
Percent of Working Interest Committed:	100.00%
Percent of O.R.R.I. Committed:	100.00%

Effective May 1, 1957

# El Paso Natural Gas Company

El Paso, Texas

August 12, 1957

1957 AUG 12 11 00 AM  
1957 AUG 12 11 00 AM

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

*file 544*

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

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

Re: San Juan 27-5 Unit, No. 14-08-001-950  
Rio Arriba County, New Mexico  
**NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND ELEVENTH EXPANDED PARTICI-  
PATING AREA, Mesaverde Formation  
Effective May 1, 1957**

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 additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-5 #24-32 Well located 1140' from the North line and 1840' from the East line of Section 32, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 17, 1957, and completed on April 12, 1957 in the Pictured Cliffs and Mesaverde formations at a total depth of 5630'. The Mesaverde Formation between 5224' - 5262', 5314' - 5342', 5404' - 5420', 5430' - 5448', 5466' - 5486', 5496' - 5502' was perforated and treated with a water fracturing process. After being shut-in for gauge for ten (10) days, the well was tested on April 22, 1957, and following a three hour blow-down period, gauged 1840 MCFGPD through a 3/4" choke and 1946 MCFGPD by the calculated absolute open flow method, with an SIPC of 1041# and an SIPT of 1115#. The committed drilling block upon which this well is located is described as the E/2 of Section 32, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-5 #26 (PM) Well located 990' from the North line and 1530' from the East line of Section 17, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on February 27, 1957, and completed on March 20, 1957 in the Pictured Cliffs and Mesaverde Formations at a total depth of 5695'. The Point Lookout section in the Mesaverde Formation between the intervals of 5562' - 5576', 5590' - 5604', 5614' - 5624', 5646' - 5670' was perforated and treated with a sand-water fracturing process on March 17, 1957. After being shut-in for gauge for ten (10) days, the well was tested on April 30, 1957, and following a three hour blow-down period, gauged 3217 MCFGPD through a 3/4" choke and 3950 MCFGPD by the calculated absolute open flow method, with an SIPT of 1100#. The committed drilling block upon which this well is located is described as the E/2 of Section 17, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block was included in the San Juan 27-5 Eighth Expanded Participating Area, effective May 1, 1956 as an intervening drilling block.

The San Juan Unit 27-5 #24-32 Well is a dual completion well; therefore, the Pictured Cliffs Participating Area will be expanded accordingly. Said well will be included in the First Expanded Participating Area for the Pictured Cliffs formation, effective May 1, 1957.

The San Juan Unit 27-5 #26 Well is a dual completion well; therefore, the Pictured Cliffs Participating Area will be expanded accordingly. Said well will be included in the Second Expanded Participating Area for the Pictured Cliffs formation, effective June 1, 1957.

With the admission to the Participating Area of the San Juan 27-5 #26 (PM) Well, there is one (1) intervening drilling block created which is described as the E/2 of Section 20, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Participating Area on May 1, 1957, and a well must be commenced on said intervening drilling block by May 1, 1958.

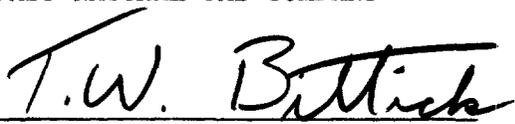
Attached is Schedule XII showing the Eleventh Expanded Participating Area for the San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of May 1, 1957.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
T. W. Bittick  
Ass't. Manager  
Land Department

540

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 28, 1957

El Paso Natural Gas Company  
Box 1492  
El Paso, Texas

Attention: Mr. Samuel Smith

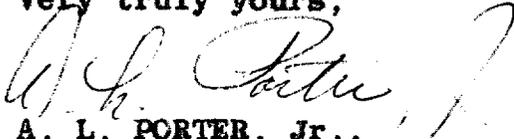
Re: San Juan 27-5 Unit  
Rio Arriba County, N. M.  
Initial Participating Area  
Pictured Cliffs Formation

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Initial Participating Area for the Pictured Cliffs Formation for the above-captioned unit area, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

Seven approved copies of the proposed participating area are enclosed herewith.

Very truly yours,

  
A. L. PORTER, Jr.,  
Secretary-Director

ALP/DSN/ir

cc: USGS - Roswell  
Commissioner of Public Lands - Santa Fe

C  
O  
P  
Y

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 8, 1957

El Paso Natural Gas Company  
El Paso, Texas

Attention: Mr. Samuel Smith

Re: San Juan 27-5 Unit  
Rio Arriba County, N.M.  
1957 Drilling Program

Gentlemen:

This is to advise that the 1957 Drilling Program for the subject unit area, dated December 31, 1956, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

You are reminded that approval of the drilling program does not constitute approval of the dual completions proposed, and that individual approval for each of the duals must be obtained in the prescribed manner.

One copy of the approved program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP:DSN:ir

Enclosure

C  
O  
P  
Y

El Paso Natural Gas Company

El Paso, Texas

January 31, 1957

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

*file 54*

Re: San Juan 27-5 Unit, No. 14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND TENTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective December 1, 1956

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 additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 27-5 #18-36 Well located 2111' from the South line and 1624' from the West line of Section 36, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 25, 1956, and completed on October 12, 1956, at a total depth of 5860'. The Mesaverde Formation between 5162'-5270', 5664'-5726', 5744'-5798' was perforated and treated with a sand-water fracturing process. After being shut-in for gauge for fourteen (14) days, the well was tested on November 2, 1956, and following a three hour blow-down period, gauged 2804 MCFGPD through a 3/4" choke and 3235 MCFGPD by the calculated absolute open flow method, with an SIPC of 1082# and an SIPT of 1119#. The committed drilling block upon which this well is located is described as the W/2 of Section 36, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The San Juan 27-5 #16 Well located 990' from the South line and 990' from the West line of Section 23, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 24, 1956, and completed on November 15, 1956, at a total depth of 5639'. The Point Lookout section in the Mesaverde Formation between the intervals of 5474'-5490', 5508'-5516', 5526'-5542', 5566'-5576' was perforated and treated with a sand-water fracturing process on November 11, 1956. The Cliff House section in the Mesaverde Formation between the intervals of 4998'-5010', 5042'-5056', 5067'-5087' was perforated and treated with a sand-water fracturing process on November 11, 1956. After being shut-in for gauge for eleven (11) days, the well was tested on November 30, 1956, and following a three hour blow-down period, gauged 2694 MCFGPD through a 3/4" choke and 3160 MCFGPD by the calculated absolute open flow method, with an SIPC of 1108# and an SIPT of 1107#. The committed drilling block upon which this well is located is described as the W/2 of Section 23, Township 27 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block was included in the San Juan 27-5 Sixth Expanded Participating Area, effective November 1, 1955, as an intervening drilling block.

With the admission to the Participating Area of the San Juan 27-5 #18-36 Well, there is one (1) intervening drilling block created which is described as the E/2 of Section 35, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Participating Area on December 1, 1956, and a well must be commenced on said intervening drilling block by December 1, 1957.

The completion of the San Juan 27-5 #16 Well creates one (1) intervening drilling block described as the W/2 of Section 26, Township 27 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, this intervening drilling block is admitted to the Participating Area on December 1, 1956, and a well must be commenced on said intervening drilling block by December 1, 1957.

Attached is Schedule XI showing the Tenth Expanded Participating Area for the San Juan 27-5 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor, and in the absence of disapproval, this Expanded Participating Area will become effective as of December 1, 1956.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

Samdel Smith  
Ass't. Manager  
Lease Department

SS:EN:nb  
Enclosure  
cc: Attached List



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED  
JAN 31 1957  
P. O. Box 6721  
Roswell, New Mexico

January 28, 1957

El Paso Natural Gas Company  
P. O. Box 1192  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Gentlemen:

Your plan of development dated December 31, 1956, for the San Juan 27-5 Unit Area, New Mexico, for the calendar year 1957, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

(Orig. Sgd.) R. E. CANFIELD

R. E. CANFIELD  
Acting Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/copy of plan)  
Farmington (w/copy of plan)  
Comm. of Public Lands, Santa Fe (letter only)  
✓ Oil Cons. Comm., Santa Fe (letter only)

ILLEGIBLE

# El Paso Natural Gas Company

El Paso, Texas

January 14, 1957

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

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

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

Re: San Juan 27-5 Unit No. 14-08-001-950  
Rio Arriba County, New Mexico  
NOTICE OF DISCOVERY AND REQUEST FOR  
APPROVAL OF INITIAL PARTICIPATING AREA  
PICTURED CLIFFS FORMATION  
Effective October 26, 1956

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, El Paso Natural Gas Company, as Unit Operator, determined, subject to the approval of the Director, Commissioner and Commission, that the San Juan 27-5 #18-36 Well, completed in the Pictured Cliffs and Mesaverde formations, is capable of producing unitized substances in paying quantities from both formations, and that the Initial Participating Area for the Pictured Cliffs Formation should be established. The Initial Participating Area contains 320.00 acres and is composed of one drilling block upon which the discovery well is located. This drilling block is described as follows:

Township 27 North, Range 5 West, N.M.P.M.  
Section 36: W/2  
Containing 320.00 acres, more or less

The San Juan 27-5 Unit #18-36 Well is located 2111' from the South line and 1624' from the West line of Section 36, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 25, 1956, and completed October 12, 1956, at a total depth of 5860'. The Pictured Cliffs Formation between 3506'-3532' was perforated and treated with a sand-water fracturing process. After being shut-in for seven days, the Pictured Cliffs Formation was tested on October 26, 1956, and following a three hour blow-down period guaged 10,567 MCFGPD through a 3/4" choke and 23,258 MCFGPD by the calculated absolute open flow method, with an SIPC of 1082# and an SIPT of 1086#. This well is not currently on a producing status.

The effective date for the Initial Participating Area is determined as October 26, 1956, the date on which the above well was tested and the information gained.

Pursuant to Section 11 (a) of the San Juan 27-5 Unit Agreement No. 14-08-001-950, approved August 31, 1953, the Participating Area for the Mesaverde Formation in which the San Juan 27-5 #18-36 Well was also completed will be expanded in a separate letter and schedule.

Attached hereto is Schedule I showing the Initial Participating Area for the Pictured Cliffs Formation in the San Juan 27-5 Unit Area. This schedule describes the Initial Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Also attached hereto as Exhibit "A" is a map of the San Juan 27-5 Unit Area on which has been colored the Initial Participating Area for the Pictured Cliffs Formation.

If this Initial Participating Area meets with your approval, please indicate such approval in the space provided on the attached sheet. A copy of this letter and a copy of the schedule attached hereto are being sent to all Working Interest Owners as indicated on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Samuel Smith  
Assistant Manager  
Lease Department

SS:EN:nn  
cc: Attached list  
Enclosures

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State Officials.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: *A. L. Peter, Jr.* DATE: 2-28-57  
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

The foregoing approvals are for the 320.00 acre Initial Pictured Cliffs Participating Area, effective as of the date of first production, under the San Juan 27-5 Unit, New Mexico.

SCHEDULE I  
 INITIAL PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
 SAN JUAN 27-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK AND OWNERSHIP		PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>Tract 14</u>							
E-290-32	T-27-N, R-5-W Sec. 36: S/2 NW/4	80.00	Royalty; Working Interest; Northwest Production Corp. ; ORRI ;		12.50%	12.50%	25.00000%
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
<u>Tract 15</u>							
E-290-19	T-27-N, R-5-W Sec. 36: N/2 NW/4, SW/4	240.00	Royalty; Working Interest; Pacific Northwest Pipeline, Corp; ORRI ;		12.50%	12.50%	75.00000%
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
Jan Juan 27-5 #18-36 Well		Sec. 36: W/2	320.00				100.00%

Effective October 26, 1956

SCHEDULE I  
INITIAL PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 27-5 UNIT AREA

RECAPITULATION

Description of lands in Participating Area.  
Township 27 North, Range 5 West, N.M.P.M.  
Section 36: W/2

Total number of acres in Participating Area:	320.00
Total number of acres committed in Participating Area	320.00
Total number of acres not committed in Participating Area	000.00
Percent of Basic Royalty committed:	100.00%
Percent of Working Interest committed:	100.00%
Percent of O.R.R. I. committed:	100.00%

Effective October 26, 1956

San Juan 27-5 Unit  
Working Interest Owners

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

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. C. F. Bedord (3)  
Stanolind Oil and Gas Company  
Post Office Box 1410  
Fort Worth, Texas

Stanolind Oil and Gas Company  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City, Utah

Mr. Mike Abraham  
814 Mercantile Bank Building  
Dallas 1, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 335  
Santa Fe, New Mexico

Mr. Sam Dazzo  
604 Simms Building  
Albuquerque, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

Mr. T. H. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

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520 Simms Building  
Albuquerque, New Mexico

Mr. Paul W. Neuenschwander  
Southern Petroleum Exploration, Inc.  
Post Office Box 192  
Sistersville, West Virginia

Mr. Donald Anderson  
Malco Refineries, Inc.  
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Roswell, New Mexico

Mr. J. P. Moroney  
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Colorado Springs, Colorado

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for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Messrs. Carl H. Gilbert & Morey Goodman,  
Mrs. Anita S. Friedman, Co-Executors of  
the Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

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Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Omega E. Quinn  
P. O. Box 896  
Albuquerque, New Mexico

Mr. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

Mr. Forrest B. Miller  
220 Shelby Street  
Santa Fe, New Mexico

Mr. Pablo Candelaria  
Aztec, New Mexico