

# El Paso Natural Gas Company

El Paso, Texas 79999

November 19, 1969

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
TWELFTH EXPANDED PARTICIPATING  
AREA, Dakota Formation, Effective  
September 1, 1969

Gentlemen:

The Twelfth Expanded Participating Area for the referenced Unit was approved by the addressee Regulatory Bodies on the dates indicated:

United States Geological Survey  
Oil Conservation Commission

November 12, 1969  
October 21, 1969

No approval by the Commissioner of Public Lands was necessary since no State of New Mexico lands are included within the limits of this Unit.

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

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:CTR:nja  
S.J. 28-5 Unit, 4.3

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

Mrs. Pepita O. Jeffus, Executive Director  
New Mexico Oil & Gas Accounting Commission  
P. O. Box 2308  
Santa Fe, New Mexico 87501

NOV 14 1969

Drawer 1857  
Roswell, New Mexico 88201

November 12, 1969

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79909

Attention: Mr. Charles Higgins

Gentlemen:

The twelfth revision of the Dakota participating area for the San Juan 28-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-949, was approved on November 12, 1969, by the Regional Oil and Gas Supervisor, U. S. Geological Survey, effective as of September 1, 1969.

By the twelfth revision the Dakota participating area is enlarged from 12,022.30 acres to 12,342.30 acres based on the completion of unit well No. 83. Unit well No. 83, located in the SW1/4 sec. 16, T. 28 N., R. 5 W., was completed on September 2, 1969, for a calculated initial open flow potential of 5,970 MCFOPP in the Dakota interval from 7,848 feet to 7,987 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and three approved copies are returned herewith. You are requested to furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. COPY FILED IN 14-08-001-949)

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

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

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

October 21, 1969

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

Attention: Mr. Charles Higgins

Re: Twelfth Expanded  
Participating Area,  
Dakota Formation, San  
Juan 28-5 Unit, Rio  
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Twelfth Expanded Participating Area for the Dakota Formation for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Six 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/og

cc: Commissioner of Public Lands - Santa Fe  
United States Geological Survey - Roswell

553

OCT 21 1969

October 20, 1969

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

Re: San Juan 28-5 Unit  
Twelfth Expanded Participating  
Area- Dakota Formation  
Rio Arriba County, New Mexico

ATTENTION: Mr. Charles Higgins

Gentlemen:

We have received your Twelfth Expanded Participating Area for the Dakota Formation, for the captioned unit. This unit does not contain any State of New Mexico lands, therefore, we are retaining one copy for record purposes only and handing the Oil Conservation Commission seven (7) copies for their consideration and requesting that they forward six (6) copies to the United States Geological Survey.

Very truly yours,

Ted Bilberry, Director  
Oil and Gas Department

TB/ML/s

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



# El Paso Natural Gas Company

El Paso, Texas 79999

October 13, 1969

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that four (4) additional wells capable of producing unitized substances in commercial quantities from the Dakota Formation have been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 28-5 Unit #79 Well, located 1150' from the South line and 1000' from the West line of Section 7, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 10, 1969, and completed on July 25, 1969, in the Dakota Formation at a total depth of 7982'. The Dakota Formation in the intervals between 7770' - 7780', 7801' - 7806', 7849' - 7859', 7894' - 7899', 7920' - 7930', 7943' - 7953' was treated with a sand-water fracturing process on July 24, 1969. The well was shut-in on July 26, 1969, and after being shut-in for twelve (12) days, the well was tested on August 7, 1969, and following a three (3) hour blow-down period, the Dakota Formation gauged 2918 MCFGPD through a 3/4" choke and 4179 MCFGPD by the

Mr. John A. Anderson  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 2

October 13, 1969

calculated absolute open-flow method, with an SIPC of 2644 psia and an SIPT of 2641 psia. The committed spacing unit upon which this well is located is described as All of Irreg. Section 7, and SW/4 SW/4 of Irreg. Section 8, Township 28 North, Range 5 West, containing 322.96 acres.

That part of the spacing unit for this well described as All of Irreg. Section 7 was included in the San Juan 28-5 Unit Sixth Expanded Dakota Participating Area effective March 1, 1963, and the balance of the spacing unit was included in the San Juan 28-5 Unit Eleventh Expanded Participating Area for the Dakota Formation effective September 1, 1968, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

The San Juan 28-5 Unit #80 Well, located 1700' from the North line and 1500' from the East line of Section 26, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 4, 1969, and completed on June 22, 1969, in the Dakota Formation at a total depth of 8621'. The Dakota Formation in the intervals between 8340' - 8350', 8429' - 8444', 8490' - 8495', 8505' - 8515', 8525' - 8535' was treated with a sand-water fracturing process on June 20, 1969. The well was shut-in on June 24, 1969, and after being shut-in for eight (8) days, the well was tested on July 2, 1969, and following a three (3) hour blow-down period, the Dakota Formation gauged 2157 MCFGPD through a 3/4" choke, and 2198 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2588 psia and an SIPT of 2570 psia. The committed spacing unit upon which this well is located is described as the N/2 of Section 26, Township 28 North, Range 5 West, containing 320.00 acres.

This spacing unit was included in the San Juan 28-5 Unit Tenth Expanded Participating Area of the Dakota Formation, effective August 1, 1968, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

The San Juan 28-5 Unit #81 Well, located 600' from the South line and 1010' from the West line of Section 26, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 23, 1969, and completed on July 8, 1969, in the Dakota Formation at a total depth of 8077'. The Dakota Formation in the intervals between 7804' - 7814',

Mr. John A. Anderson  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 3

October 13, 1969

7892' - 7902', 7950' - 7960', 7972' - 7982', 7998' - 8008' was treated with a sand-water fracturing process on July 8, 1969. The well was shut-in on July 9, 1969, and after being shut-in for thirty (30) days, the well was tested on August 8, 1969, and following a three (3) hour blow-down period, the Dakota Formation gauged 2471 MCFGPD through a 3/4" choke, and 2680 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2731 psia and an SIPT of 2735 psia. The committed spacing unit upon which this well is located is described as the S/2 of Section 26, Township 28 North, Range 5 West, containing 320.00 acres.

This spacing unit was included in the San Juan 28-5 Unit Eighth Expanded Dakota Participating Area effective July 1, 1967, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

The San Juan 28-5 Unit #82 Well, located 1031' from the South line and 1150' from the West line of Section 22, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 9, 1969, and completed on July 23, 1969, in the Dakota Formation at a total depth of 8105'. The Dakota Formation in the intervals between 7884' - 7894', 7974' - 7984', 8058' - 8078' was treated with a sand-water fracturing process on July 22, 1969. The well was shut-in on July 23, 1969, and after being shut-in for fifteen (15) days, the well was tested on August 8, 1969, and following a three (3) hour blow-down period, the Dakota Formation gauged 3834 MCFGPD through a 3/4" choke, and 4428 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2673 psia and an SIPT of 2683 psia. The committed spacing unit upon which this well is located is described as the W/2 of Section 22, Township 28 North, Range 5 West, containing 320.00 acres.

This spacing unit was included in the San Juan 28-5 Unit Eleventh Expanded Participating Area of the Dakota Formation, effective September 1, 1968, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

Mr. John A. Anderson  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 4

October 13, 1969

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

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:CTR:sf  
Enclosure  
San Juan 28-5 4.3.1

cc: Mrs. Pepita O. Jeffus  
Executive Director  
New Mexico Oil & Gas Accounting Commission  
P. O. Box 2308  
Santa Fe, New Mexico 87501

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie (D)

Mr. Joe Quinn

Mr. J. R. Abercrombie (D)

Mr. M. A. Romero

Dr. W. E. Alsup

Mr. Robert P. Tinnin (D)

American Petrofina Company of Texas (D)

Ruth M. Vaughn

Mrs. Lela L. Barkley (D)

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

Mr. Tom Bolack and Alice Bolack (D)

Mrs. Evelyn G. Brown (D)

Mr. James A. Brown (D)

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison, (D)  
Trustee for Omega E. Quinn

Catherine M. Harvey

Mr. Ralph H. McCullough (D)

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

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. J. William McElvain

Mr. T. H. McElvain, Jr.

Mr. Forrest B. Miller & Mabelle Miller

N.B.S. Corporation

Pan American Petroleum Corp. (3) (D)

Phillips Petroleum Company

Mr. H. O. Pool (D)

# El Paso Natural Gas Company

001

El Paso, Texas 79999

October 13, 1969

553

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
TWELFTH EXPANDED PARTICIPATING AREA,  
Dakota Formation, Effective  
September 1, 1969

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Twelfth Expanded Participating Area of the Dakota Formation for the referenced unit.

If this Application meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for their approval and execution. After this Application has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file, and the Oil Conservation Commission should retain one (1) copy for its file, and five (5) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico, for their approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:CTR:ec

cc: Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

COPY

# El Paso Natural Gas Company

El Paso, Texas 79999

October 13, 1969

RECEIVED  
OCT 17 11 16 AM '69  
STATE OFFICE  
SANTA FE, N.M.

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
TWELFTH EXPANDED PARTICIPATING AREA,  
Dakota Formation, Effective  
September 1, 1969

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Twelfth Expanded Participating Area for the Dakota Formation, to wit:

TWELFTH EXPANDED PARTICIPATING AREA - Effective September 1, 1969

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 5 West, N.M.P.M.</u>	320.00
Section 16: E/2	

The proposed Twelfth 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 28-5 Unit #83 Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

Mr. John A. Anderson  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

October 13, 1969

The San Juan 28-5 Unit #83 Well is located 1150' from the South line and 1150' from the West line of Section 16, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on July 24, 1969, and completed on August 19, 1969, at a total depth of 8004'. The Dakota Formation in the intervals between 7848'-7858', 7910'-7930', 7948'-7958', 7982'-7987', was treated with a sand-water fracturing process on August 18, 1969. The Dakota Formation was shut-in on August 20, 1969, and after being shut-in for thirteen (13) days, the Dakota Formation was tested on September 2, 1969, and following a three (3) hour blow-down period gauged 4580 MCFGPD through a 3/4" choke and 5970 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2551 psia and an SIPT of 818 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 Twelfth Expanded Participating Area of the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "B" - Geological Report on the Twelfth Expanded Participating Area of the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "C" - Plate No. 1: San Juan 28-5 Dakota  
Structure Map  
Plate No. 2: San Juan 28-5 Dakota  
Isopach Map

EXHIBIT "D" - Table 1: Dakota production and deliverability.

Attached hereto is Schedule XIII that shows the proposed Twelfth Expanded Participating Area for the Dakota Formation in the San Juan 28-5 Unit Area. This schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

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

RECEIVED  
OCT 17 11 26 AM '69  
SANTA FE, N.M.

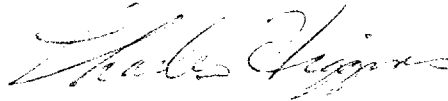


Mr. John A. Anderson  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

October 13, 1969

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

Yours very truly,

A handwritten signature in cursive script, appearing to read "Charles Higgins".

Charles Higgins  
Supervising Landman  
Land Department

CH:CTR:ec  
Enclosures  
SJ 28-5, 4.3


cc: Mrs. Pepita O. Jeffus  
Executive Director  
New Mexico Oil & Gas Accounting Commission  
P. O. Box 2308  
Santa Fe, New Mexico 87501

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

DATE: Oct 21, 1969

The foregoing approvals are for the Twelfth Expanded Participating Area of  
the Dakota Formation, San Juan 28-5 Unit #14-08-001-949, Rio Arriba County,  
New Mexico.

RECEIVED  
OCT 17 11 16 AM '69  
STATE LAND OFFICE  
SANTA FE, N.M.

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie

Mr. J. R. Abercrombie

Dr. W. E. Alsup

American Petrofina Company of Texas

Mrs. Lela L. Barkley

Mr. Tom Bolack and Alice Bolack

Mrs. Evelyn G. Brown

Mr. James A. Brown

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison,  
Trustee for Omega E. Quinn

Catherine M. Harvey

Mr. Ralph H. McCullough

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

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. J. William McElvain

Mr. T. H. McElvain, Jr.

Mr. Forrest B. Miller and Mabelle Miller

N.B.S. Corporation

Pan American Petroleum Corp. (3)

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Ruth M. Vaughn

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

RECEIVED  
OCT 17 11 27 AM '69  
STATE COURT OFFICE  
SANTA FE, N.M.

# El Paso Natural Gas Company

El Paso, Texas

March 27, 1969

RECEIVED  
MAR 31 1969

503

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

Re: 1969 DRILLING PROGRAM  
San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico

Gentlemen:

The 1969 Drilling Program for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	March 24, 1969
Oil Conservation Commission	March 3, 1969

It was not necessary to obtain approval of this Drilling Program by the Commissioner of Public Lands. Copies of this letter are being sent to the working interest owners of the above described Unit.

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:JS:sf

cc: Commissioner of Public Lands (Information only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

San Juan 28-5 Unit 3.0



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

IN REPLY REFER TO:

MAIN OFFICE  
'69 MAR 25 AM 8 26

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March 24, 1969

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1969 plan of development for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of five 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.

Sincerely yours,

(ORIG. SCD) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

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

**OIL CONSERVATION COMMISSION**

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 3, 1969

553

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

Attention: Mr. T. W. Bittick

Re: 1969 Drilling Program  
San Juan 28-5 Unit,  
Rio Arriba County, New  
Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1969 for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell

C  
O  
P  
Y

# El Paso Natural Gas Company

El Paso, Texas 79999

February 20, 1969

RECEIVED  
FEB 25 AM 8 16

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1969 DRILLING PROGRAM

Gentlemen:

By letter dated January 5, 1968, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned Unit for the calendar year 1968. Said Program provided for the drilling of four Dakota Wells by the Unit Operator during the year. These wells were drilled and three were completed on acreage lying within the existing limits of the Dakota Participating Area. One well was completed on acreage lying outside the limits of the Dakota Participating Area.

The completion of Wells No. 77 and 78 necessitated the Tenth Expansion of the Dakota Participating Area; and the completion of Wells No. 75 and 76 necessitated the Eleventh Expansion of the Dakota Participating Area. These expansions of the Dakota Participating Area were filed for approval with the appropriate regulatory bodies on October 23, 1968, and have since received their necessary approval.

With the completion of the above described wells, the total number of wells in the San Juan 28-5 Unit is as follows:

Mesaverde	45
Dual, Mesaverde-Dakota	6
Mesaverde, Noncommercial	1
Dakota	25
	<u>77</u>

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling

Program providing for the drilling of the following wells during the calendar year of 1969:

<u>Location</u>	<u>Formation</u>
San Juan 28-5 Unit #79 Well SW/4 Sec. 7, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #80 Well NE/4 Sec. 26, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #81 Well SW/4 Sec. 26, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #82 Well SW/4 Sec. 22, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #83 Well SW/4 Sec. 16, T-28-N, R-5-W	Dakota

El Paso Natural Gas Company intends to drill these wells to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 200' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 3,700', 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 gas. Due care will be taken to protect all horizons.

In addition to the above wells, 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 later deemed necessary or desirable by the Unit Operator and the working interest owners.

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



-3-

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

Very truly yours,

A handwritten signature in dark ink, appearing to read "T. W. Bittick", written over a horizontal line.

T. W. Bittick  
Manager  
Land Department

TWB:JS:sf

cc: Commissioner of Public Lands (Information only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501


San Juan 28-5 Unit 3.0

APPROVED: \_\_\_\_\_

Oil & Gas Supervisor, United States Geological Survey  
Subject to like approval by the Oil Conservation  
Commission of the State of New Mexico

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

APPROVED: \_\_\_\_\_

  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey

DATE: March 3, 1969

The foregoing approvals are for the 1969 Drilling Program for the San Juan 28-5 Unit  
#14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie (D)

Mr. J. R. Abercrombie (D)

Dr. W. E. Alsup

American Petrofina Company of Texas (D)

Mrs. Lela L. Barkley (D)

Mr. Tom Bolack and Alice Bolack (D)

Mrs. Evelyn G. Brown (D)

Mr. James A. Brown (D)

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Lt. Col. Langdon Dewey Harrison, (D)  
Trustee for Omega E. Quinn

Catherine M. Harvey

Mr. Ralph H. McCullough (D)

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

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. J. William McElvain

Mr. T. H. McElvain, Jr.

Mr. Forrest B. Miller & Mabelle Miller

N.B.S. Corporation

Pan American Petroleum Corp. (3) (D)

Phillips Petroleum Company

Mr. H. O. Pool (D)

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin (D)

Ruth M. Vaughn

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

# El Paso Natural Gas Company

El Paso, Texas 79999

January 8, 1969

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Approval of the Tenth and Eleventh  
Expanded Participating Areas, Dakota  
Formation, Effective August 1, 1968  
and September 1, 1968

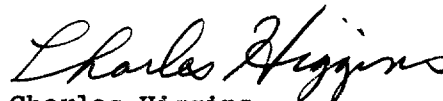
Gentlemen:

The Tenth and Eleventh Expanded Participating Areas, Dakota Formation, San Juan 28-5 Unit, were approved by the regulatory bodies on the dates set out below:

1. United States Geological Survey: January 6, 1969
2. Commissioner of Public Lands: October 31, 1968
3. Oil Conservation Commission: November 6, 1968

Copies of this letter are being sent to all the working interest owners of the San Juan 28-5 Unit.

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:JS:sf  
San Juan 28-5, 4.3, 5.0

cc: Mrs. Pepita O. Jeffus, Executive Director  
New Mexico Oil & Gas Accounting Commission  
P. O. Box 2308  
Santa Fe, New Mexico 87501

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

553

November 6, 1968

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

Attention: Mr. Charles Higgins

Re: Tenth and Eleventh Expansion  
Dakota Participating Area,  
San Juan 28-5 Unit, Rio Arriba  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Tenth and Eleventh Expanded Participating Areas, Dakota formation, for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

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

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

IN REPLY REFER TO:

JAN 8 1969

553

January 6, 1969

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

Attention: Mr. Charles Higgins

Gentlemen:

The tenth and eleventh revisions of the Dakota participating area for the San Juan 28-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-949, were approved on January 6, 1969, by the Regional Oil and Gas Supervisor, U. S. Geological Survey, effective as of August 1 and September 1, 1968, respectively.

By the tenth revision the Dakota participating area is enlarged from 10,388.88 acres to 11,028.83 acres based on the completion of unit wells Nos. 77 and 78. Unit well No. 77, located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, T. 28 N., R. 5 W., was completed on August 14, 1968, for 3,178 MCFGPD in the Dakota interval from 8,124 feet to 8,335 feet. Unit well No. 78, located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25, T. 28 N., R. 5 W., was completed on August 14, 1968, for 2,914 MCFGPD in the Dakota interval from 8,054 feet to 8,248 feet.

By the eleventh revision the Dakota participating area is enlarged from 11,028.88 acres to 12,022.30 acres based on the completion of unit wells Nos. 75 and 76. Unit well No. 75, located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, T. 28 N., R. 5 W., was completed on September 24, 1968, for 4,773 MCFGPD in the Dakota interval from 7,734 feet to 7,928 feet. Unit well No. 76, located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 21, T. 28 N., R. 5 W., was completed on September 17, 1968, for 4,309 MCFGPD in the Dakota interval from 7,898 feet to 8,048 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and one approved copy is returned

herewith. You are requested to furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:

Washington (w/cy. appln.)

Durango (w/cy. appln.)

NMOCC, Santa Fe (ltr. only) ✓

Com. of Pub. Lands, Santa Fe (ltr. only)

# El Paso Natural Gas Company

El Paso, Texas 79999

October 23, 1968

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

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

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

RECEIVED  
OCT 25 9 26 AM '68  
STATE LAND OFFICE  
SANTA FE, N.M.

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
TENTH AND ELEVENTH EXPANDED  
PARTICIPATING AREAS, Dakota Forma-  
tion, Effective August 1, 1968 and  
September 1, 1968

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Tenth and Eleventh Expanded Participating Areas for the Dakota Formation, to wit:

TENTH EXPANDED PARTICIPATING AREA - Effective August 1, 1968

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M.	
Section 25: W/2	320.00
Section 26: N/2	320.00
TOTAL	640.00

The proposed Tenth 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 28-5 Unit #78 Well and the



Director, US Geological Survey  
Commissioner of Public Lands, State of N.M.  
Oil Conservation Commission, State of N.M.  
Page Two

October 23, 1968

San Juan 28-5 Unit #77 Well are capable of producing unitized substances in paying quantities from the Dakota Formation. These wells are as follows:

The San Juan 28-5 Unit #78 Well is located 990' from the South line and 964' from the West line of Section 25, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on June 7, 1968, and completed on July 14, 1968, at a total depth of 8274'. The Dakota Formation in the intervals between 8054'-8069', 8152'-8167', 8210'-8225', 8238'-8248', was treated with a sand-water fracturing process on July 13, 1968. The Dakota Formation was shut-in on July 15, 1968, and after being shut-in for thirty (30) days, the Dakota Formation was tested on August 14, 1968, and following a three (3) hour blow-down period gauged 2674 MCFGPD through a 3/4" choke and 2914 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2703 psia and an SIPT of 2709 psia.

The San Juan 28-5 Unit #77 Well is located 1820' from the North line and 1070' from the East line of Section 27, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on June 8, 1968, and completed on July 30, 1968, at a total depth of 8365'. The Dakota Formation in the intervals between 8124'-8134', 8218'-8233', 8288'-8308', 8320'-8335', was treated with a sand-water fracturing process on July 29, 1968. The Dakota Formation was shut-in on July 30, 1968, and after being shut-in for fifteen (15) days, the Dakota Formation was tested on August 14, 1968, and following a three (3) hour blow-down period gauged 2862 MCFGPD through a 3/4" choke and 3178 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2597 psia and an SIPT of 2599 psia.

ELEVENTH EXPANDED PARTICIPATING AREA - Effective September 1, 1968

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M.	
Section 22: W/2	320.00
Section 16: W/2	320.00
Section 8: Lots 1, 2, 3, 4, S/2 S/2 (ALL)	282.84
Section 9: Lot 4, SW/4 SW/4	70.58
TOTAL	993.42

The proposed Eleventh 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 28-5 Unit #76 Well and the San Juan 28-5 Unit #75 Well are capable of producing unitized substances in paying quantities from the Dakota Formation. These wells are as follows:

Director, US Geological Survey  
Commissioner of Public Lands, State of N.M.  
Oil Conservation Commission, State of N.M.  
Page Three

October 23, 1968

The San Juan 28-5 Unit #76 Well is located 1610' from the North line and 1460' from the East line of Section 21, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on June 21, 1968, and completed on August 31, 1968, at a total depth of 8058'. The Dakota Formation in the intervals between 7898'-7906', 7988'-8004', 8040'-8048', was treated with a sand-water fracturing process on August 30, 1968. The Dakota Formation was shut-in on September 1, 1968, and after being shut-in for sixteen (16) days, the Dakota Formation was tested on September 17, 1968, and following a three (3) hour blow-down period gauged 3917 MCFGPD through a 3/4" choke and 4309 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2729 psia and an SIPT of 2718 psia.

The San Juan 28-5 Unit #75 Well is located 1650' from the North line and 1500' from the East line of Section 17, Township 28 North, Range 5 West, N.M.P.M. This well was spudded on June 23, 1968, and completed on September 15, 1968, at a total depth of 7952'. The Dakota Formation in the intervals between 7734'-7744', 7808'-7823', 7888'-7903', 7913'-7928', was treated with a sand-water fracturing process on September 14, 1968. The Dakota Formation was shut-in on September 15, 1968, and after being shut-in for nine (9) days, the Dakota Formation was tested on September 24, 1968, and following a three (3) hour blow-down period gauged 3424 MCFGPD through a 3/4" choke 4773 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2510 psia and an SIPT of 2514 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 Tenth and Eleventh Expanded Participating Areas of the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "B" - Geological Report on the Tenth and Eleventh Expanded Participating Areas of the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "C" - Plate No. 1: San Juan 28-5 Dakota Structure Map.  
Plate No. 2: San Juan 28-5 Dakota Isopach Map.

EXHIBIT "D" - Table 1: Dakota production and deliverability.

Attached hereto are Schedules XI, and XII that show the proposed Tenth and Eleventh Expanded Participating Areas for the Dakota Formation in the San Juan 28-5 Unit Area. These schedules describe the Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

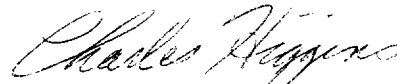
Director, US Geological Survey  
Commissioner of Public Lands, State of N.M.  
Oil Conservation Commission, State of N.M.  
Page Four

October 23, 1968

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

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

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:JS:mb  
Enclosures  
San Juan 28-5 Unit 4.3

cc: Mrs. Pepita O. Jeffus  
Executive Director  
New Mexico Oil & Gas Accounting Commission  
P. O. Box 2308  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_

Director, 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: 10-31-68

APPROVED: \_\_\_\_\_

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

DATE: Nov. 6, 1968

The foregoing approvals are for the Tenth and Eleventh Expanded Participating Areas of the Dakota Formation, San Juan 28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
Working Interest Owners - Page 1

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Dept. 1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas 77401

Mr. W. E. Alsup, M. D.  
Box 926  
Taos, New Mexico 87571

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas, Texas 75221

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas 77005

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

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown  
Park Drive South  
Rye, New York 10580

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York 10580

Mr. James A. Brown  
Park Drive South  
Rye, New York 10580

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

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Co. of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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

Catherine M. Harvey  
220 Shelby Street  
Santa Fe, New Mexico 87501

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

Mr. T. H. McElvain, Jr.  
P. O. Box 2148  
Santa Fe, New Mexico 87501

Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona 85251

Mr. Joe Quinn  
908 Longwood Loop  
Mesa, Arizona 85201

Lt. Col. Langdon Dewey Harrison  
Trustee for Omega E. Quinn  
Consolidated Mail Room  
Box 4075  
Holloman AFB, New Mexico 87723

Mr. M. A. Romero  
P. O. Box 11585, Station E  
Albuquerque, New Mexico 87112

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P. O. Box 1854  
Albuquerque, New Mexico 87108

Ruth M. Vaughn  
300 Coversham Road  
Bryn Mawr, Pennsylvania 19010

# El Paso Natural Gas Company

El Paso, Texas 79999

October 23, 1968

553

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
TENTH AND ELEVENTH EXPANDED PARTICI-  
PATING AREAS, Dakota Formation,  
Effective August 1, 1968 and  
September 1, 1968, respectively.

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Tenth and Eleventh Expanded Participating Areas of the Dakota Formation for the referenced unit.

If this Application meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for their approval and execution. After this Application has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file and the Oil Conservation Commission should retain one (1) copy for its file, and five (5) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico, for their approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,

*Charles Higgins*

Charles Higgins  
Supervising Landman  
Land Department

66 OCT 24 1968

CH:JS:mb  
Enclosure

cc: Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

COPY

# El Paso Natural Gas Company

El Paso, Texas 79999

February 27, 1968

555

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

1968 FEB 29 AM 9 21

Re: 1968 DRILLING PROGRAM  
San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico

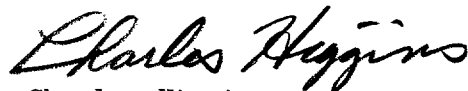
Gentlemen:

The 1968 Drilling Program for the referenced Unit was approved by the regulatory bodies on the dates indicated:

United States Geological Survey	January 18, 1968
Oil Conservation Commission	January 25, 1968
Commissioner of Public Lands	January 22, 1968

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

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:JS:vb

San Juan 28-5 Unit - 3.0



# El Paso Natural Gas Company

El Paso, Texas 79999

January 30, 1968

555

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

MAILED

'68 FEB 1 AM 10 30

Re: 1968 DRILLING PROGRAM  
San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico

Gentlemen:

The 1968 Drilling Program for the referenced Unit was approved by the regulatory bodies on the dates indicated:

United States Geological Survey	January 18, 1968
Oil Conservation Commission	January 25, 1968
Commissioner of Public Lands	January 22, 1968

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

Yours very truly,

*Charles Higgins*

Charles Higgins  
Supervising Landman  
Land Department

CH:JS:vb

San Juan 28-5 Unit - 3.0

**OIL CONSERVATION COMMISSION**

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

553

January 25, 1968

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

Attention: Mr. T. W. Bittick

Re: 1968 Drilling Program  
San Juan 28-5 Unit, Rio  
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1968, providing for the drilling of four Dakota wells, for the San Juan 28-5 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.

Only one copy of the Drilling Program was received by the Commission, therefore, a Xerox copy of the signature page is returned herewith.

Very truly yours,

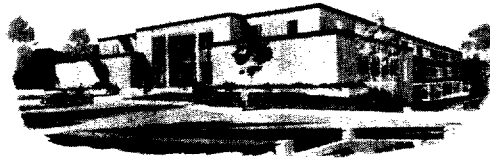
A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/esr  
Enclosure

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

State of New Mexico



Commissioner of Public Lands

GUYTON B. HAYS  
COMMISSIONER



January 22, 1968

P. O. BOX 1148  
SANTA FE, NEW MEXICO

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

Re: San Juan 28-5 Unit  
Rio Arriba County, New Mexico  
1968 DRILLING PROGRAM

MAIN OFFICE

ATTENTION: Mr. T. W. Bittick

'68 JAN 24 AM 8 39

Gentlemen:

The Commissioner of Public Lands has this date approved your 1968 Drilling Program for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, proposing the drilling of four Dakota Wells.

This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Eddie Lopez, Supervisor  
Unit Division

GBH/TB/EL/s  
encl.

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

January 18, 1968

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1968 plan of development for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of four 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.

Sincerely yours,

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

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

MAIN OFFICE 0-11

'68 JAN 22 AM 8 15

# El Paso Natural Gas Company

El Paso, Texas 79999

January 16, 1968

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Approval of the Seventh, Eighth,  
and Ninth Expanded Participating  
Areas, Dakota Formation, Effective  
June 1, 1967, July 1, 1967, and  
August 1, 1967, respectively

Gentlemen:

The Seventh, Eighth and Ninth Expanded Participating Areas, Dakota Formation, San Juan 28-5 Unit, were approved by the regulatory bodies on the dates set out below:

1. United States Geological Survey - January 4, 1968
2. Commissioner of Public Lands - December 5, 1967
3. Oil Conservation Commission - December 7, 1967

Copies of this letter are being sent to all the working interest owners of the San Juan 28-5 Unit.

Yours very truly,

*Charles Higgins*

Charles Higgins  
Supervising Landman  
Land Department

CH:JS:psr  
San Juan 28-5 - 4.3, 5.0



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

IN REPLY REFER TO:

January 12, 1968

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

Attention: Mr. Charles Higgins

Gentlemen:

The seventh, eighth, and ninth revisions of the Dakota participating area, San Juan 28-5 unit agreement, Rio Arriba County, New Mexico, were approved on January 4, 1968, by the Acting Director, Geological Survey.

Three approved copies of the application are enclosed. You are requested to furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil & Gas Supervisor

cc:  
Washington (ltr. only)  
Farmington (w/cy application)  
Com. of Pub. Lands - Santa Fe (ltr. only)  
NMOCC - Santa Fe (ltr. only)

# El Paso Natural Gas Company

El Paso, Texas 79999

January 5, 1968

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

768 JAN 10 AM 8 40

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1968 DRILLING PROGRAM

Gentlemen:

By letter dated April 12, 1967, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned Unit for the calendar year 1967. Said Program provided for the drilling of nine Dakota Wells by the Unit Operator during the year. These wells were drilled and six were completed on acreage lying within the present limits of the Dakota Participating Area. Two wells were completed on acreage lying within the limits of the proposed Seventh Expansion of the Dakota Participating Area and one well was completed on acreage lying within the limits of the proposed Ninth Expansion of the Dakota Participating Area.

The completion of wells numbered 67, 68, 69 and 70 did not cause an expansion of the Dakota Participating Area. The completion of Well No. 72 will necessitate the Seventh Expansion of the Dakota Participating Area; the completion of Well No. 71 will necessitate the Eighth Expansion of the Dakota Participating Area and the completion of Well No. 74 within the limits of the proposed Seventh Expansion of the Dakota Participating Area will necessitate the Ninth Expansion of the Dakota Participating Area. Well No. 73 was completed within the limits of the proposed Seventh Expansion of the Dakota Participating Area and Well No. 45 was completed within the limits of the proposed Ninth Expansion of the Dakota Participating Area, however their completion did not cause a further expansion of the Dakota Participating Area.

The proposed expansions of the Dakota Participating Area were filed for approval with the appropriate regulatory bodies on December 1, 1967.

With the completion of the above described wells, the total number of wells in the San Juan 28-5 Unit is as follows:

Mesaverde	45
Dual, Mesaverde-Dakota	6
Mesaverde, Noncommercial	1
Dakota	21
	<u>73</u>

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year of 1968:

<u>Location</u>	<u>Formation</u>
San Juan 28-5 Unit #75 Well NE/4 Sec. 17, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #76 Well NE/4 Sec. 21, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #77 Well NE/4 Sec. 27, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #78 Well SW/4 Sec. 25, T-28-N, R-5-W	Dakota

El Paso Natural Gas Company intends to drill these wells to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 200' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 3,700', 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 gas. Due care will be taken to protect all horizons.

In addition to the above wells, 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 later deemed necessary or desirable by the Unit Operator and the working interest owners.



All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their desires 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,



T. W. Bittick  
Manager  
Land Department

TWB:JS:cjt  
Attachments

cc: Commissioner of Public Lands (Information Only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

San Juan 28-5, 3.0

APPROVED: \_\_\_\_\_

Supervisor, United States Geological  
Survey, Subject to like approval by the  
Oil Conservation Commission of the  
State of New Mexico

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

APPROVED: \_\_\_\_\_

*A. L. Carter*  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey

DATE: 1-25-68

The foregoing approvals are for the 1968 Drilling Program for the San Juan  
28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico.

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Dept. 1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas 77401

Mr. W. E. Alsup, M.D.  
P. O. Box 1394  
Las Vegas, Nevada 89101

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas, Texas 75221

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas 77005

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

Mrs. Evelyn Ellen Wallace &  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
Park Drive South  
Rye, New York 10580

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York 10580

Mr. James A. Brown  
Park Drive South  
Rye, New York 10580

Bank of New Mexico  
Account of Thomas H. Harrington &  
Nancy Lee Harrington  
P. O. Box 1830  
Albuquerque, New Mexico 87103

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Co. of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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

Catherine M. Harvey  
220 Shelby Street  
Santa Fe, New Mexico 87501

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

Mr. T. H. McElvain, Jr.  
P. O. Box 2148  
Santa Fe, New Mexico 87501

Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona 85251

Mr. Joe Quinn  
908 Longwood Loop  
Mesa, Arizona 85201

SAN JUAN 28-5 UNIT

Working Interest Owners - Page 2

Lt. Col. Langdon Dewey Harrison  
Trustee for Omega E. Quinn  
Consolidated Mail Room  
Box 4075  
Holloman AFB, New Mexico 87723

Mr. M. A. Romero  
P. O. Box 1906  
Santa Fe, New Mexico 87501

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P. O. Box 1854  
Albuquerque, New Mexico 87108

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

# El Paso Natural Gas Company

El Paso, Texas 79999

December 13, 1967

323

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

MAILED 000

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Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #73 Well, located 1845' from the North line and 1845' from the East line of Section 35, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 4, 1967, and completed on July 25, 1967, in the Dakota Formation at a total depth of 8010'. The Dakota Formation in the intervals between 7706'-7718', 7804'-7816', 7866'-7890', 7906'-7914' was treated with a sand-water fracturing process. The well was shut-in on July 29, 1967, and after being shut-in for nineteen (19) days, the well was tested on August 17, 1967, and following a three (3) hour blow-down period the Dakota Formation gauged 3,037 MCFGPD through a 3/4" choke, and 3,300 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2,727 psia and an SIPT of 2,731 psia. The committed spacing unit upon which this well is located is described as Lot 2, N/2 SE/4, NE/4 Section 35, and NW/4 NW/4 Section 36, Township 28 North, Range 5 West, containing 330.92 acres.

The spacing unit for this well was partly included within the Fourth expansion effective October 1, 1960, partly within proposed Seventh expansion

effective June 1, 1967, and partly within proposed Ninth expansion effective August 1, 1967, for the San Juan 28-5 Dakota Participating Area, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JS:vjh  
Attachment

San Juan 28-5 Unit 4.3.1  
NM 6888

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Dept. 1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J.R. Abercrombie  
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Bellaire, Texas 77401

Mr. W.E. Alsup, M.D.  
P.O. Box 820  
Española, New Mexico 87532

American Petrofina Co. of Texas  
P.O. Box 2159  
Dallas, Texas 75221

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas 77005

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

Mrs. Evelyn Ellen Wallace &  
James A. Brown, Trustees under the Last  
Will and Testament of A.W. Brown  
Park Drive South  
Rye, New York 10580

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York 10580

Mr. James A. Brown  
Park Drive South  
Rye, New York 10580

Mr. Thomas F. Harrington  
c/o Mr. T.H. Harrington  
P.O. Box 4026, Station "A"  
Albuquerque, New Mexico 87106

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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

Catherine M. Harvey  
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Santa Fe, New Mexico 87501

Mr. William J. McElvain  
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Morris, Illinois 60450

Mr. T. H. McElvain, Jr.  
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Santa Fe, New Mexico 87501

Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

Mr. H.O. Pool  
P.O. Box 1585  
Scottsdale, Arizona 85251

Mr. Joe Quinn  
908 Longwood Loop  
Mesa, Arizona 85201

Lt. Col. Langdon Dewey Harrison  
Trustee for Omega E. Quinn  
Consolidated Mail Room  
Box 4075  
Holloman AFB, New Mexico 87723

Mr. M.A. Romero  
P.O. Box 1906  
Santa Fe, New Mexico 87501

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Atty. at Law  
P.O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P.O. Box 1854  
Albuquerque, New Mexico 87108

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



# El Paso Natural Gas Company

El Paso, Texas 79969

December 13, 1967

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 28-5 Unit #45 Well, located 1500' from the North line and 1840' from the East line of Section 36, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 21, 1967, and completed on September 6, 1967, in the Dakota Formation at a total depth of 8104'. The Dakota Formation in the intervals between 7886'-7898', 7978'-7990', 8034'-8046', 8060'-8072', was treated with a sand-water fracturing process. The well was shut-in on September 7, 1967, and after being shut-in for seven (7) days, the well was tested on September 14, 1967, and following a three (3) hour blow-down period, the Dakota Formation gauged 2416 MCFGPD through a 3/4" choke, and 2601 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2551 psia and an SIPT of 2549 psia. The committed spacing unit upon which this well is located is described as Lot 1 Section 35, Lot 4, N/2 SW/4, S/2 NW/4, NE/4 NW/4, SW/4 NE/4, Section 36, Township 28 North, Range 5 West, containing 345.39 acres.

This spacing unit was partly included in the San Juan 28-5 Unit Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960, and partly included in the area of the proposed Seventh expansion effective June 1, 1967, and partly included in the area of the proposed Ninth expansion effective August 1, 1967, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JS:vjh  
Attachment

San Juan 28-5 Unit 4.3.1  
NM-6836

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Dept. 1450  
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Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
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Trustee for Omega E. Quinn  
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P.O. Box 1906  
Santa Fe, New Mexico 87501

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c/o Mr. Robert E. Fox, Atty. at Law  
P.O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P.O. Box 1854  
Albuquerque, New Mexico 87108

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

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO 87501**

52

**December 7, 1967**

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

**Attention: Mr. Charles Higgins**

**Re: Seventh, Eighth, and Ninth  
Expansions, Dakota Participating  
Area, San Juan 28-5 Unit, Rio  
Arriba County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation  
Commission has this date approved the Seventh, Eighth, and  
Ninth Expanded Participating Areas, Dakota Formation, for the  
San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to  
like approval by the United States Geological Survey.**

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

**Very truly yours,**

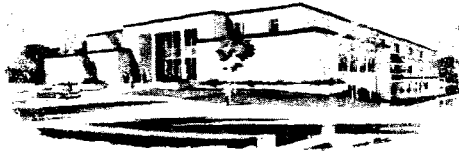
**A. L. PORTER, Jr.  
Secretary-Director**

**ALP/JEK/esr**

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

**United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201**

State of New Mexico



Commissioner of Public Lands

GUYTON B. HAYS  
COMMISSIONER



December 5, 1967

P. O. BOX 1148  
SANTA FE, NEW MEXICO

MAIL ROOM

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

'67 DEC 5 PM 2 53

Re: San Juan 28-5 Unit  
Rio Arriba County, New Mexico  
Seventh, Eighth, and Ninth  
Expanded Participating Areas,  
Dakota Formation

ATTENTION: Mr. Charles Higgins

Gentlemen:

We have received your Seventh, Eighth and Ninth Expanded Participating Areas for the Dakota Formation, for the captioned unit. This unit does not contain any State of New Mexico lands, however, since you have submitted the above designated for approval, the Commissioner of Public Lands has executed them and we are handing the Oil Conservation Commission Seven (7) copies for their consideration and requesting that they forward six (6) copies to the United States Geological Survey.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Eddy Lopez, Supervisor  
Unit Division

GBH/TB/EL/s

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

# El Paso Natural Gas Company

El Paso, Texas 79999

December 1, 1967

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

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

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

RECEIVED  
DEC 4 8 51 AM '67  
STATE LAND OFFICE  
SANTA FE, N.M.

1000

2 53

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
SEVENTH, EIGHTH, AND NINTH EXPANDED  
PARTICIPATING AREAS, Dakota Formation,  
Effective June 1, 1967, July 1, 1967,  
and August 1, 1967

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Seventh, Eighth, and Ninth Expanded Participating Areas for the Dakota Formation, to wit:

SEVENTH EXPANDED PARTICIPATING AREA - Effective June 1, 1967

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M.	
Section 35: N/2	320.00
Section 36: Lots 3,4,5,6,7,8	<u>411.57</u>
N/2 SW/4, NW/4 SE/4 (S/2)	
TOTAL	731.57

The proposed Seventh 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 28-5 Unit #72 Well and the San Juan 27-5 Unit #106 Well

are capable of producing unitized substances in paying quantities from the Dakota Formation. These wells are as follows:

The San Juan 28-5 Unit #72 Well is located 1600' from the South line and 1500' from the West line of Section 35, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on May 12, 1967, and completed on June 7, 1967, at a total depth of 7930'. The Dakota Formation in the intervals between 7654'-7666', 7754'-7766', 7828'-7852', was treated with a sand-water fracturing process on June 5, 1967. The Dakota Formation was shut-in on June 7, 1967, and after being shut-in for fourteen (14) days, the Dakota Formation was tested on June 21, 1967, and following a three (3) hour blow-down period gauged 3633 MCFGPD through a 3/4" choke and 4094 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2737 psia and an SIPT of 2741 psia.

The San Juan 27-5 Unit #106 Well is located 1650' from the North line and 1550' from the East line of Section 1, Township 27 North, Range 5 West, N.M.P.M. Said well was spudded on May 7, 1967, and completed on May 28, 1967, at a total depth of 8700'. The Dakota Formation in the intervals between 8430'-8434', 8448'-8452', 8514'-8518', 8536'-8544', 8598'-8606', 8620'-8628' was treated with a sand-water fracturing process on May 27, 1967. The Dakota Formation was shut-in on May 29, 1967, and after being shut-in for seven (7) days, the Dakota Formation was tested on June 5, 1967, and following a three (3) hour blow-down period gauged 3904 MCFGPD through a 3/4" choke and 4714 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2448 psia and an SIPT of 2448 psia.

EIGHTH EXPANDED PARTICIPATING AREA - Effective July 1, 1967

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M.	
Section 26: S/2	320.00
TOTAL	320.00

The proposed Eighth Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, the the San Juan 28-5 Unit #71 Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:



The San Juan 28-5 Unit #71 Well is located 835' from the North line and 1525' from the East line of Section 34, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on June 8, 1967, and completed on July 3, 1967, at a total depth of 8131'. The Dakota Formation in the intervals between 7836'-7846', 7930'-7950', 7990'-8010', 8024'-8034' was treated with a sand-water fracturing process on July 1, 1967. The Dakota Formation was shut-in on July 4, 1967, and after being shut-in for sixteen (16) days, the Dakota Formation was tested on July 20, 1967, and following a three (3) hour blow-down period gauged 4331 MCFGPD through a 3/4" choke and 5048 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2658 psia and an SIPT of 2666 psia.

NINTH EXPANDED PARTICIPATING AREA - Effective August 1, 1967

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M.	
Section 36: N/2	344.74
TOTAL	344.74

The proposed Ninth 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 28-5 Unit #74 Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 28-5 Unit #74 Well is located 1650' from the South line and 1695' from the West line of Section 36, Township 28 North, Range 5 West, N.M.P.M. This well was spudded on June 21, 1967, and completed on July 13, 1967, at a total depth of 8706'. The Dakota Formation in the intervals between 8414'-8438', 8514'-8530', 8592'-8608', was treated with a sand-water fracturing process on July 11, 1967. The Dakota Formation was shut-in on July 14, 1967, and after being shut-in for nineteen (19) days, the Dakota Formation was tested on August 2, 1967, and following a three (3) hour blow-down period gauged 4956 MCFGPD through a 3/4" choke and 5792 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2661 psia and an SIPT of 2672 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 Seventh, Eighth, and Ninth Expanded Participating Areas of the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "B"

Geological Report on the Seventh, Eighth, and Ninth Expanded Participating Areas of the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "C"

Plate No. 1: San Juan 28-5 Dakota Structure Map.  
Plate No. 2: San Juan 28-5 Dakota Isopach Map.

EXHIBIT "D"

Table 1: Dakota production and deliverability.

Attached hereto are Schedules VIII, IX, and X that show the proposed Seventh, Eighth, and Ninth Expanded Participating Areas for the Dakota Formation in the San Juan 28-5 Unit Area. These schedules describe the Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

If these Seventh, Eighth, and Ninth Expanded Participating Areas of the Dakota Formation meet with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy hereof for our files.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JS:psr

Enclosures

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

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

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

DATE: 12-5-67

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

DATE: 12.7.67

The foregoing approvals are for the Seventh, Eighth, and Ninth Expanded Participating Areas of the Dakota Formation, San Juan 28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico.

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Dept. 1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J.R. Abercrombie  
P.O. Box 224  
Bellaire, Texas 77401

Mr. W.E. Alsup, M.D.  
P.O. Box 820  
Española, New Mexico 87532

American Petrofina Co. of Texas  
P.O. Box 2159  
Dallas, Texas 75221

Mrs. Lela L. Barkley  
5322 Institute Lane  
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James A. Brown, Trustees under the Last  
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Rye, New York 10580

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Mr. Thomas F. Harrington  
c/o Mr. T.H. Harrington  
P.O. Box 4026, Station "A"  
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Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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Individually and as Executrix of the  
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Santa Fe, New Mexico 87501

Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

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Scottsdale, Arizona 85251

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908 Longwood Loop  
Mesa, Arizona 85201

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Trustee for Omega E. Quinn  
Consolidated Mail Room  
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P.O. Box 1906  
Santa Fe, New Mexico 87501

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Atty. at Law  
P.O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P.O. Box 1854  
Albuquerque, New Mexico 87108

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

# El Paso Natural Gas Company

El Paso, Texas 79999

December 1, 1967

553

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
SEVENTH, EIGHTH, AND NINTH EXPANDED  
PARTICIPATING AREAS, Dakota Formation,  
Effective June 1, 1967, July 1, 1967,  
and August 1, 1967.

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Seventh, Eighth and Ninth Expanded Participating Areas of the Dakota Formation for the referenced unit.

If this Application meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for their approval and execution. After this Application has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file and the Oil Conservation Commission should retain one (1) copy for its file, and five (5) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico, for their approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

MAIN OFFICE

Yours very truly,

*Charles Higgins*

Charles Higgins  
Assistant Supervising Landman  
Land Department

'67 Dec 4 AM 8 19

CH:JS:vjh

cc: Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

COPY

# El Paso Natural Gas Company

El Paso, Texas 79999

November 1, 1967

15

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

NOV 2 1967

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

Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #69 Well, located 1190' from the North line and 1550' from the East line of Section 33, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on September 15, 1967, and completed on October 9, 1967, in the Dakota Formation at a total depth of 7910'. The Dakota Formation in the intervals between 7632'-7648', 7682'-7690', 7724'-7740', 7790'-7798', 7822'-7830', was treated with a sand-water fracturing process. The well was shut-in on October 10, 1967, and after being shut-in for eight (8) days, the well was tested on October 18, 1967, and following a three (3) hour blow-down period the Dakota Formation gauged 4162 MCFGPD through a 3/4" choke, and 4948 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2571 psia and an SIPT of 2571 psia. The committed spacing unit upon which this well is located is described as the E/2 of Section 33, Township 28 North, Range 5 West, containing 325.46 acres.

November 1, 1967

This spacing unit was included in the San Juan 28-5 Unit Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JS:psr  
Attachment

San Juan 28-5 Unit 4.3.1



**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Dept. 1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J.R. Abercrombie  
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Española, New Mexico 87532

American Petrofina Co. of Texas  
P.O. Box 2159  
Dallas, Texas 75221

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas 77005

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

Mrs. Evelyn Ellen Wallace &  
James A. Brown, Trustees under the Last  
Will and Testament of A.W. Brown  
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Rye, New York 10580

Mrs. Evelyn G. Brown  
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Rye, New York 10580

Mr. James A. Brown  
Park Drive South  
Rye, New York 10580

Mr. Thomas F. Harrington  
c/o Mr. T.H. Harrington  
P.O. Box 4026, Station "A"  
Albuquerque, New Mexico 87106

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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

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1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

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Mesa, Arizona 85201

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c/o Mr. Robert E. Fox, Atty. at Law  
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Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania 19010

# El Paso Natural Gas Company

El Paso, Texas 79999

October 20, 1967

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #68 Well, located 965' from the South line and 890' from the West line of Section 33, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 20, 1967, and completed on September 14, 1967, in the Dakota Formation at a total depth of 7931'. The Dakota Formation in the intervals between 7682'-7698', 7732'-7736', 7788'-7796', 7830'-7834', 7845'-7853', 7864'-7872', 7884'-7892', was treated with a sand-water fracturing process. The well was shut-in on September 15, 1967, and after being shut-in for fourteen (14) days, the well was tested on September 28, 1967, and following a three (3) hour blow-down period the Dakota Formation gauged 4959 MCFGPD through a 3/4" choke, and 6184 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2372 psia and an SIPT of

October 20, 1967

2732 psia. The committed spacing unit upon which this well is located is described as the W/2 of Section 33, Township 28 North, Range 5 West, containing 321.19 acres.

This spacing unit was included in the San Juan 28-5 Unit Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JS:vjh  
Attachment

San Juan 28-5 Unit 4.3.1

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
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c/o Trust Dept. 1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J.R. Abercrombie  
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American Petrofina Co. of Texas  
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Rye, New York 10580

Mr. James A. Brown  
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Rye, New York 10580

Mr. Thomas F. Harrington  
c/o Mr. T.H. Harrington  
P.O. Box 4026, Station "A"  
Albuquerque, New Mexico 87106

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2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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Individually and as Executrix of the  
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Catherine M. Harvey  
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Mr. T. H. McElvain, Jr.  
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Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
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Trustee for Omega E. Quinn  
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N.B.S. Corporation  
c/o Mr. Robert E. Fox, Atty. at Law  
P.O. Box 1769  
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Mr. Robert P. Tinnin  
P.O. Box 1854  
Albuquerque, New Mexico 87108

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

# El Paso Natural Gas Company

El Paso, Texas 79999

September 29, 1967

553

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico 88201

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

1967 OCT 2 11 11 AM

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 28-5 Unit #70 Well, located 1450' from the South line and 1175' from the West line of Section 34, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 27, 1967, and completed on August 18, 1967, in the Dakota Formation at a total depth of 7881'. The Dakota Formation in the intervals between 7628'-7638', 7686'-7696', 7728'-7738', 7780'-7790', 7812'-7832', was treated with a sand-water fracturing process. The well was shut-in on August 18, 1967, and after being shut-in for twenty (20) days, the well was tested on September 7, 1967, and following a three (3) hour blow-down period, the Dakota Formation gauged 3051 MCFGPD through a 3/4" choke, and 3433 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2510 psia and an SIPT of 2497 psia. The committed spacing unit upon which this well is located is described as the W/2 of Section 34, Township 28 North, Range 5 West, containing 329.70 acres.

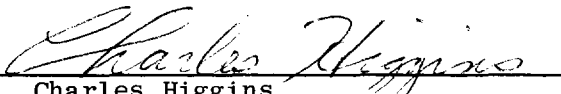
This spacing unit was included in the San Juan 28-5 Unit Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960, and the completion of this well does not warrant any further expansion of the Dakota Parti-

cipating Area.

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  
Assistant Supervising Landman  
Land Department

CH:JS:psr

Attachment

San Juan 28-5 Unit 4.3.1  
NM-2307



**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
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c/o Trust Dept. 1450  
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Mr. J.R. Abercrombie  
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P.O. Box 820  
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P.O. Box 2159  
Dallas, Texas 75221

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5322 Institute Lane  
Houston, Texas 77005

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

Mrs. Evelyn Ellen Wallace &  
James A. Brown, Trustees under the Last  
Will and Testament of A.W. Brown  
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Mrs. Evelyn G. Brown  
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Rye, New York 10580

Mr. James A. Brown  
Park Drive South  
Rye, New York 10580

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c/o Mr. T.H. Harrington  
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2001 Gulf Building  
Houston, Texas 77002

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Estate of Carl R. McElvain, Deceased  
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Morris, Illinois 60450

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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Individually and as Executrix of the  
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N.B.S. Corporation  
c/o Mr. Robert E. Fox, Atty. at Law  
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Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
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Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania 19010

# El Paso Natural Gas Company

El Paso, Texas 79999

August 1, 1967

220

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico 87501

67 AUG 1 PM 2 00

Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #67 Well, located 1650' from the South line and 800' from the West line of Section 21, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 11, 1967, and completed on June 8, 1967, in the Dakota Formation at a total depth of 8010'. The Dakota Formation in the intervals between 7720'-7728', 7812'-7830', 7880'-7890', 7906'-7922' was treated with a sand-water fracturing process. The well was shut-in on June 8, 1967, and after being shut-in for thirteen (13) days, the well was tested on June 21, 1967, and following a three (3) hour blow-down period the Dakota Formation gauged 5,311 MCFGPD through a 3/4" choke, and 6,608 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2,596 psia and an SIPT of 2,610 psia. The committed spacing unit upon which this well is located is described as the S/2 of Section 21, Township 28 North, Range 5 West, containing 320.00 acres.

August 1, 1967

This spacing unit was included in the San Juan 28-5 Unit Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JS:sb

Attachment

San Juan 28-5 Unit 4.3.1  
NM-2006

SAN JUAN 28-5 UNIT  
Working Interest Owners

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Rye, New York 10580

Mr. James A. Brown  
Park Drive South  
Rye, New York 10580

Mr. Thomas F. Harrington  
c/o Mr. T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico 87106

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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

Catherine M. Harvey  
220 Shelby Street  
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310 East Jefferson Street  
Morris, Illinois 60450

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P. O. Box 2148  
Santa Fe, New Mexico 87501

Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona 85251

SAN JUAN 28-5 UNIT

Working Interest Owners - Page 3

Mr. Joe Quinn  
908 Longwood Loop  
Mesa, Arizona 85201

Lt. Col. Langdon Dewey Harrison  
Trustee for Omega E. Quinn  
Consolidated Mail Room  
Box 4075  
Holloman AFB, New Mexico 87723

Mr. M. A. Romero  
P. O. Box 1906  
Santa Fe, New Mexico 87501

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P. O. Box 1854  
Albuquerque, New Mexico 87108

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

# El Paso Natural Gas Company

El Paso, Texas 79999

May 24, 1967

67 MAY 25 1967

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: 1967 DRILLING PROGRAMS  
Rio Arriba County, New Mexico

Gentlemen:

The 1967 Drilling Programs for the following Units were approved by the regulatory bodies on the dates indicated:

- |  |                |
|--|----------------|
| 1. San Juan 27-5 Unit, #14-08-001-950:   |                |
| United States Geological Survey          | May 17, 1967   |
| Commissioner of Public Lands             | April 28, 1967 |
| Oil Conservation Commission              | April 27, 1967 |
| ✓ 2. San Juan 28-5 Unit, #14-08-001-949: |                |
| United States Geological Survey          | May 18, 1967   |
| Commissioner of Public Lands             | April 26, 1967 |
| Oil Conservation Commission              | April 17, 1967 |
| 3. San Juan 28-7 Unit, #14-08-001-459:   |                |
| United States Geological Survey          | April 19, 1967 |
| Commissioner of Public Lands             | April 20, 1967 |
| Oil Conservation Commission              | April 26, 1967 |
| 4. San Juan 29-6 Unit, #14-08-001-439:   |                |
| United States Geological Survey          | March 30, 1967 |
| Commissioner of Public Lands             | March 31, 1967 |
| Oil Conservation Commission              | April 11, 1967 |

May 24, 1967

5. San Juan 29-7 Unit, #14-08-001-1650:  
United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission

January 30, 1967  
February 3, 1967  
April 26, 1967

6. San Juan 31-6 Unit, #14-08-001-464:  
United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission

January 26, 1967  
February 3, 1967  
April 27, 1967

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

Yours very truly,



Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:CTR:sb

San Juan 27-5, 28-5, 28-7,  
29-6, 29-7, and 31-6 Units - 3.0





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

MAIN OFFICE NO.

'67 MAY 19 AM 8

IN REPLY REFER TO:

May 18, 1967

553

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1967 plan of development for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of nine 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.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:  
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 79999

May 15, 1967

67 MAY 18 1967

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1967 Drilling Program

Gentlemen:

By letter dated April 12, 1967, you were furnished a proposed drilling program for 1967 which related to the referenced Unit.

Subsequent to the date said program was submitted for your approval, it has been determined that the location for two wells will have to be moved because of terrain problems. It is therefore requested that you amend your records as follows:

<u>Name</u>	<u>Old Location</u>	<u>New Location</u>
San Juan 28-5 Unit #45 Well	SW/4 Sec. 36, T-28-N, R-5-W	NE/4 Sec. 36, T-28-N, R-5-W
San Juan 28-5 Unit #74 Well	NE/4 Sec. 36, T-28-N, R-5-W	SW/4 Sec. 36, T-28-N, R-5-W

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

Yours very truly,

*Charles Higgins*

Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JS:sb  
Attachment  
San Juan 28-5 Unit 3.0

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Dept. 1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas 77401

Mr. W. E. Alsup, M. D.  
P. O. Box 820  
Española, New Mexico 87532

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas, Texas 75221

Mrs. Lela L. Barkley  
5322 Institute Lane  
Houston, Texas 77005

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

Mrs. Evelyn Ellen Wallace &  
James A. Brown, Trustees under the Last  
Will and Testament of A. W. Brown  
Park Drive South  
Rye, New York 10580

Mrs. Evelyn G. Brown  
Park Drive South  
Rye, New York 10580

Mr. James A. Brown  
Park Drive South  
Rye, New York 10580

Mr. Thomas F. Harrington  
c/o Mr. T. H. Harrington  
P. O. Box 4026, Station "A"  
Albuquerque, New Mexico 87106

Mr. Ralph H. McCullough  
2001 Gulf Building  
Houston, Texas 77002

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

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas, Texas 75206

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

Catherine M. Harvey  
220 Shelby Street  
Santa Fe, New Mexico 87501

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

Mr. T. H. McElvain, Jr.  
P. O. Box 2148  
Santa Fe, New Mexico 87501

Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, Texas 78028

Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona 85251

Mr. Joe Quinn  
908 Longwood Loop  
Mesa, Arizona 85201

Lt. Col. Langdon Dewey Harrison  
Trustee for Omega E. Quinn  
Consolidated Mail Room  
Box 4075  
Holloman AFB, New Mexico 87723

Mr. M. A. Romero  
P. O. Box 1906  
Santa Fe, New Mexico 87501

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Attorney at Law  
P. O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P. O. Box 1854  
Albuquerque, New Mexico 87108

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

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

**OIL CONSERVATION COMMISSION**

P. O. BOX 2088

**SANTA FE, NEW MEXICO**

553

**April 26, 1967**

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

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

**Re: 1967 Drilling Program  
San Juan 28-5 Unit, Rio  
Arriba County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1967 Drilling Program for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.**

**One approved copy of the program is returned herewith.**

**Very truly yours,**

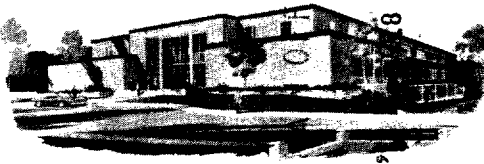
**A. L. PORTER, Jr.  
Secretary-Director**

**ALP/JEK/68**

**cc: Commissioner of Public Lands - Santa Fe  
United States Geological Survey - Roswell**

C  
O  
P  
Y

State of New Mexico



Commissioner of Public Lands



GUYTON B. HAYS  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

April 17, 1967

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

Re: San Juan 28-5 Unit  
Rio Arriba County,  
New Mexico  
1967 Drilling Program

ATTENTION: Mr. T. W. Bittick

Gentlemen:

We have received your 1967 Drilling Program for the captioned unit, however, this unit does not contain any State of New Mexico land.

Since you have submitted the above designated for approval, the Commissioner has executed them and we are returning two copies for your files.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Bilberry, Director  
Oil and Gas Department

GBH/RG/s  
encls.2

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

# El Paso Natural Gas Company

El Paso, Texas 79999

April 12, 1967

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  
Post Office Box 1148  
Santa Fe, New Mexico

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1967 DRILLING PROGRAM

Gentlemen:

By letter dated February 24, 1966, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1966. Said program provided for the drilling of no wells and none were drilled in subject unit during 1966.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Mesaverde	45
Dual, Mesaverde-Dakota	6
Mesaverde, Non-Commercial	1
Dakota	<u>12</u>
	64

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year of 1967:

<u>Location</u>	<u>Formation</u>
San Juan 28-5 Unit #45 Well SW/4 Sec. 36, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #67 Well SW/4 Sec. 21, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #68 Well SW/4 Sec. 33, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #69 Well NE/4 Sec. 33, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #70 Well SW/4 Sec. 34, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #71 Well NE/4 Sec. 34, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #72 Well SW/4 Sec. 35, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #73 Well NE/4 Sec. 35, T-28-N, R-5-W	Dakota
San Juan 28-5 Unit #74 Well NE/4 Sec. 36, T-28-N, R-5-W	Dakota

El Paso Natural Gas Company intends to drill these 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 through the Pictured Cliffs Formation to a depth of approximately 3,700', and then a production casing string will be run to the top of the Dakota Formation. A production liner will be hung in the production casing and set through the Dakota. The production liner 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, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells later deemed necessary or desirable by the Unit Operator and the working interest owners.



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

Yours very truly,

EL PASO NATURAL GAS COMPANY

By: 

T. W. Bittick, Manager  
Land Department

TWB:JS:cjt  
Attachments

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: \_\_\_\_\_

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

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

*April 26, 1967*

The foregoing approvals are for the 1967 Drilling Program for the San Juan  
28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
Texas National Bank of Commerce  
c/o Trust Department, #1450  
P. O. Box 2558  
Houston, Texas 77001

Mr. J. R. Abercrombie  
P. O. Box 224  
Bellaire, Texas 77401

Mr. W. E. Alsup  
P. O. Box 820  
Espanola, New Mexico 87532

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas, Texas 75221

Mrs. Lela L. Barkley  
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Houston, Texas 77005

Mr. Tom Bolack and Alice Bolack  
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Farmington, New Mexico 87401

Mrs. Evelyn Ellen Wallace &  
James A. Brown, Trustees under the  
Last Will & Testament of A. W. Brown  
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Mrs. Evelyn G. Brown  
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Rye, New York 10580

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P. O. Box 4026, Station "A"  
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Mr. Ralph H. McCullough  
2001 Gulf Building  
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Mr. James E. McElvain  
Executor for the Estate of  
Mr. Carl R. McElvain, Deceased  
309 West Jefferson Street  
Morris, Illinois 60450

General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
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Mrs. Catherine B. McElvain  
Individually and as Executrix of the  
Estate of T. H. McElvain, Deceased  
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Mr. Forrest B. Miller & Mabelle Miller  
1224 Lois Street  
P. O. Box 1445  
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Pan American Petroleum Corp. (3)  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, Colorado 80202

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
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Mr. H. O. Pool  
P. O. Box 1585  
Scottsdale, Arizona 85251

Mr. Joe Quinn  
908 Longwood Loop  
Mesa, Arizona 85201

SAN JUAN 28-5 UNIT

Working Interest Owners (Page 2)

Lt. Col. Langdon Dewey Harrison  
Trustee for Omega E. Quinn  
Consolidated Mail Room  
Box 4075  
Holloman AFB, New Mexico 87723

Mr. M. A. Romero  
P. O. Box 1906  
Santa Fe, New Mexico 87501

N.B.S. Corporation  
c/o Mr. Robert E. Fox, Atty. at Law  
P. O. Box 1769  
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin  
P. O. Box 1854  
Albuquerque, New Mexico 87108

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

Phillips Petroleum Company  
Attention: Mr. R. A. Wolgast  
1300 Security Life Building  
Denver, Colorado 80202

# El Paso Natural Gas Company

El Paso, Texas 79999

April 18, 1966

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 1148  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico

Re: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
1966 DRILLING PROGRAM

Gentlemen:

The 1966 Drilling Program for the San Juan 28-5 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 11, 1966
2. Commissioner of Public Lands, - March 14, 1966  
State of New Mexico
3. Oil Conservation Commission, - April 5, 1966  
State of New Mexico

Copies of this letter are being sent to all the working interest owners of the San Juan 28-5 Unit.

Very truly yours,

EL PASO NATURAL GAS COMPANY



Harry Gevertz  
Supervising Landman  
Land Department

HG:GWO:sb

San Juan 28-5, 3.0



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

552

April 11, 1966

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1966 plan of development dated February 24, 1966, for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, 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,

(ONE)

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

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

RPearcy:jh:4-11-66

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

553

April 5, 1966

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

Attention: Mr. T. W. Bittick

Re: 1966 Drilling Program  
San Juan 28-5 Unit,  
Rio Arriba County, New  
Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1966 Drilling Program for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the plan is returned herewith.

Very truly yours,

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

ALP/JEK/og

cc: United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

C  
O  
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Y

# *El Paso Natural Gas Company*

*El Paso, Texas* 79999

February 24, 1966

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  
Post Office Box 1148  
Santa Fe, New Mexico

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1966 DRILLING PROGRAM

Gentlemen:

By letter dated December 23, 1964, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1965. Said program provided for the drilling of no wells and none were drilled in subject unit during 1965.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Mesaverde	46
Dual, Mesaverde-Dakota	6
Mesaverde, Non-Commercial	1
Dakota	<u>12</u>
	65

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1966, providing for the drilling of no wells during the year.

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



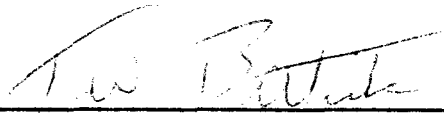
El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances, and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

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 as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick, Manager  
Land Department

TWB:GW0:cg

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: \_\_\_\_\_

  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands/

DATE: 4-5-66

The foregoing approvals are for the 1966 Drilling Program for the San Juan 28-5  
Unit #14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace & James A.  
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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

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

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

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

Mr. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

Catherine F. McElvain  
Box 2148  
Santa Fe, New Mexico

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

Mr. T. H. McElvain, Jr.  
Box 2148  
Santa Fe, New Mexico

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

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

Phillips Petroleum Company  
Attention: Mr. A. J. Hintze  
623 Frank Phillips Building  
Barlesville, Oklahoma

Phillips Petroleum Company  
Attention: Mr. C. W. Corbett  
1200 Denver Club Building  
Denver 2, Colorado

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

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

Langdon Dewey Harrison, Trustee for  
Mrs. Omega E. Quinn  
5212 Carswell Drive  
Biggs A.F.B., Texas

SAN JUAN 28-5 UNIT  
Working Interest Owners - Page 2

Mr. M. A. Romero  
P. O. Box 1906  
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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# El Paso Natural Gas Company

El Paso, Texas

April 14, 1965

56

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 1148  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico

Re: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
1965 DRILLING PROGRAM


Gentlemen:

The 1965 Drilling Program for the San Juan 28-5 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 7, 1965
2. Commissioner of Public Lands,  
State of New Mexico - March 4, 1965
3. Oil Conservation Commission,  
State of New Mexico - March 25, 1965

Copies of this letter are being sent to all the working interest owners of the San Juan 28-5 Unit.

Very truly yours,

  
Harry Gevertz  
Regional Landman  
Land Department

HG:GWO:kf

SJ 28-5, 3.0

553  
Drawer 1857  
Roswell, New Mexico 88201

April 7, 1965

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1965 plan of development dated December 23, 1964, for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, 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,

(SHE. 562) BILLY J. SHOGER

BILLY J. SHOGER  
Acting Oil and Gas Supervisor

cc:

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

**OIL CONSERVATION COMMISSION**

P. O. BOX 2088

SANTA FE, NEW MEXICO

553

**March 24, 1965**

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

**Attention: Mr. Sam Smith**

**Re: 1965 Drilling Program  
San Juan 28-5 Unit,  
Rio Arriba County, New  
Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1965 Drilling Program for the San Juan 28-5 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/JHK/og**

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

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43 MAR 11 1965

March 4, 1965

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

Re: San Juan 28-5 Unit  
Rio Arriba County, New Mexico  
1965 Plan of Development

Gentlemen:

This office does not believe it necessary for the operator to obtain the Commissioner's approval on documents pertaining to units which do not contain State of New Mexico land.

We will approve this particular area for the San Juan 28-5 Unit as a courtesy, however, in the future, we will return them unapproved when the papers pertain to units not containing State of New Mexico land.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mr.) Ted Bilberry, Director  
Oil and Gas Department

GMH/wmr/d  
Enclosure  
cc:

United States Geological Survey  
Oil Conservation Commission



# *El Paso Natural Gas Company*

*El Paso, Texas*

December 23, 1964

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  
Post Office Box 1148  
Santa Fe, New Mexico

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1965 DRILLING PROGRAM

Gentlemen:

By letter dated February 25, 1965, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1964. Said program provided for the drilling of no wells and none were drilled in subject unit during 1964.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Mesaverde	46
Dual, Mesaverde-Dakota	6
Mesaverde, Non-Commercial	1
Dakota	<u>12</u>
	65

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1965, providing for the drilling of no wells during the year.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Sam Smith, Manager  
Land Department

SS:CTR:js

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

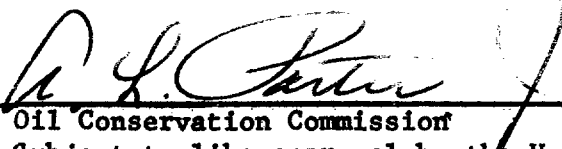
DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

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

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

APPROVED: \_\_\_\_\_

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

DATE: 5-24-62

The foregoing approvals are for the 1965 Drilling Program for the San Juan 28-5  
Unit #14-08-001-949, Rio Arriba County, New Mexico.

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace & James A.  
Brown, Trustees under the Last Will  
and 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

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

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

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

Mr. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

Catherine F. McElvain  
Box 2148  
Santa Fe, New Mexico

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

Mr. T. H. McElvain, Jr.  
Box 2148  
Santa Fe, New Mexico

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

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

Phillips Petroleum Company  
Attention: Mr. A. J. Hintze  
623 Frank Phillips Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: Mr. C. W. Corbett  
1200 Denver Club Building  
Denver 2, Colorado

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

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

Langdon Dewey Harrison, Trustee for  
Mrs. Omega E. Quinn  
5212 Carswell Drive  
Biggs A.F.B., Texas

SAN JUAN 28-5 UNIT  
Working Interest Owners - Page 2

Mr. M. A. Romero  
P. O. Box 1906  
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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# El Paso Natural Gas Company

El Paso, Texas

April 22, 1964

MAIN OFFICE 020  
1964 APR 22 AM 10 13

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 1148  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico

Re: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
1964 DRILLING PROGRAM

Gentlemen:

The 1964 Drilling Program for the San Juan 28-5 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 17, 1964
2. Commissioner of Public Lands,  
State of New Mexico - April 1, 1964
3. Oil Conservation Commission,  
State of New Mexico - April 8, 1964

Copies of this letter are being sent to all the working interest owners of the San Juan 28-5 Unit.

Very truly yours,



Harry Gevertz  
Regional Landman  
Land Department

HG:GWO:js

SJ 28-5, 3.0

553  
Drawer 1857  
Roswell, New Mexico 88201

April 17, 1964

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1964 plan of development dated February 25, 1964, for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, 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.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

cc:

Washington (w/cy of plan)

Farmington (w/cy of plan)

BOGEC-Santa Fe (ltr. only) ✓

Com. of Pub. Lands-Santa Fe (ltr. only)

EDS:123 4 17 1964

4/17/64

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

**SANTA FE, NEW MEXICO**

**April 8, 1964**

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

**Attention: Mr. Sam Smith**

**Re: 1964 Drilling Program  
San Juan 28-5 Unit, Rio  
Arriba County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil  
Conservation Commission has this date approved the 1964  
Drilling Program for the San Juan 28-5 Unit, Rio Arriba  
County, New Mexico, subject to like approval by the United  
States Geological Survey and the Commissioner of Public  
Lands of the State of New Mexico.**

**One approved copy of the program is returned  
herewith.**

**Very truly yours,**

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

**ALP/JEK/og**

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



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El Paso Natural Gas Company

MAIN OFFICE OCC  
El Paso, Texas 1964 FEB 23 PM 1:19

February 25, 1964

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 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1964 DRILLING PROGRAM

Gentlemen:

By letter dated February 8, 1963, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1963. Said program provided for the drilling of no wells and none were drilled in subject unit during 1963.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Mesaverde	46
Dual, Mesaverde-Dakota	6
Mesaverde, Non-Commercial	1
Dakota	<u>12</u>
	65

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1964, providing for the drilling of no wells during the year.

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, will drill any off-set 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.

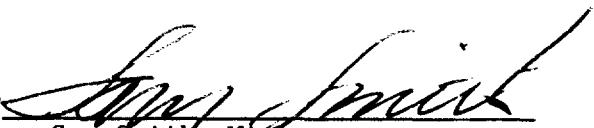
If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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:js

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. Porter, Jr.  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE: 4-8-64

The foregoing approvals are for the 1964 Drilling Program for the San Juan 28-5  
Unit #14-08-001-949, Rio Arriba County, New Mexico.

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace & James A.  
Brown, Trustees under the Last Will  
and 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

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

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

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2001 Gulf Building  
Houston, Texas

Mr. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

Catherine F. McElvain  
Box 2148  
Santa Fe, New Mexico

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

Mr. T. H. McElvain, Jr.  
Box 2148  
Santa Fe, New Mexico

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

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

Phillips Petroleum Company  
Attention: Mr. A. J. Hintze  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: Mr. C. W. Corbett  
1200 Denver Club Building  
Denver 2, Colorado

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 28-5 UNIT  
Working Interest Owners - Page 2

Mr. M. A. Romero  
P. O. Box 2011  
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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# El Paso Natural Gas Company

El Paso, Texas

August 29, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE SIXTH  
EXPANDED PARTICIPATING AREA OF THE  
DAKOTA FORMATION, Effective March 1,  
1963

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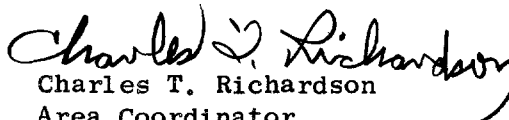
Gentlemen:

The above captioned Sixth Expanded Participating Area of the Dakota Formation for the San Juan 28-5 Unit was approved by the regulatory bodies as follows:

1. United States Geological Survey - August 16, 1963
2. Commissioner of Public Lands - July 1, 1963
3. Oil Conservation Commission - July 11, 1963

Copies of this letter are being sent to the working interest owners of the San Juan 28-5 Unit.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js

555

JUN 11 1963

Drawer 1857  
Roswell, New Mexico

August 23, 1963

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your application of June 21, 1963, requesting approval of the sixth revision of the Dakota participating area for the San Juan 28-5 unit agreement, No. 14-08-001-949, Rio Arriba County, New Mexico, was approved on August 16, 1963, by the Acting Director, Geological Survey, effective as of March 1, 1963.

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

Sincerely yours,



B. J. SHOGER  
Acting Oil & Gas Supervisor

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

OIL CONSERVATION COMMISSION  
P. O. BOX 871  
SANTA FE, NEW MEXICO

553

July 10, 1963

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

Attention: Mr. T. W. Bittick

Re: Sixth Expanded Dakota  
Participating Area  
San Juan 28-5 Unit, Rio  
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Sixth Expansion of the Dakota Participating Area for the San Juan 28-5 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.

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

Very truly yours,

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

ALP/JHE/og

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

Box 1857

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100 JUL 2 AM 1963

July 1, 1963

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

Re: San Juan 28-5 Unit, Rio  
Arriba County, New Mexico

Attention: Mr. Charles T. Richardson

Gentlemen:

The Commissioner of Public Lands has approved as of July 1, 1963 the Sixth Expanded Participating Area of the Dakota formation, San Juan 28-5 Unit, Rio Arriba County, New Mexico.

We are handing to the Oil Conservation Commission seven (7) copies of this document and requesting that they forward them to the United States Geological Survey at Roswell, New Mexico for their consideration.

Very truly yours,

H. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:

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

ESJW/nmr/m  
encl.

cc: Oil Conservation Commission  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico  
Attention: Mr. John A. Anderson

# El Paso Natural Gas Company

El Paso, Texas

June 26, 1963

1963 JUL 1 AM 1 32

Registered Mail

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

Attention: Mrs. Marian M. Rhea

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
SIXTH EXPANDED PARTICIPATING AREA  
OF THE DAKOTA FORMATION  
Effective March 1, 1963

Gentlemen:

Attached are eight (8) copies of the subject Sixth Expanded Participating Area for the Dakota Formation for the San Juan 28-5 Unit, together with the appropriate exhibits and geological information.

If this Sixth Expansion meets with your approval, please execute all copies in the space provided and secure the approval of the Oil Conservation Commission on all copies thereof. Upon approval of the Oil Conservation Commission and your office, will you please retain two copies for your files and have the Oil Conservation Commission retain one copy for their files and forward the remaining five copies to the United States Geological Survey for approval.

Very truly yours,

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

CTR:GWO:ag  
Attachments

cc: United States Geological Survey  
Oil Conservation Commission ✓

San Juan 28-5 4.3

COPY

# El Paso Natural Gas Company

El Paso, Texas

June 25, 1963

1963 JUL 2 11 10

553

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIFTH EXPANDED PARTICIPATING AREA  
OF THE DAKOTA FORMATION  
Effective November 1, 1962

Gentlemen:

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

1. United States Geological Survey on June 12, 1963.
2. Commissioner of Public Lands on May 1, 1963.
3. Oil Conservation Commission on April 26, 1963.

Copies of this letter are being sent to the working interest owners of the San Juan 28-5 Unit.

Very truly yours,

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

CTR:GWO:ag

# El Paso Natural Gas Company

El Paso, Texas

June 21, 1963

JUL 1 10 42 AM '63  
STATE LAND OFFICE  
SANTA FE, N.M.

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
SIXTH EXPANDED PARTICIPATING AREA  
OF THE DAKOTA FORMATION  
Effective March 1, 1963

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Sixth Expansion of the Participating Area for the Dakota Formation, to wit:

SIXTH EXPANDED PARTICIPATING AREA, Effective March 1, 1963

<u>Description</u>	<u>Acres</u>
<u>Township 28 North, Range 5 West,</u> <u>N.M.P.M.</u>	
Section 7: All	282.96

The proposed Sixth Expanded Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the following described well is capable of producing unitized substances in paying quantities from the Dakota Formation.

The San Juan 28-5 Unit #61 Well is located 1650' from the North line and 990' from the East line of Section 18, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on November 8, 1962, and completed on December 12, 1962, at a total depth of 8025'. The Dakota Formation in the intervals between 7800' - 7806', 7884' - 7896', 7932' - 7938', 7962' - 7968', 7982' - 7988' was treated with a sand-water fracturing process on December 11, 1962. The Dakota Formation was shut-in for gauge on December 29, 1962. After being shut-in for sixty-two (62) days, the Dakota Formation was tested on March 1, 1963. Following a three (3) hour blow-down period, the Dakota Formation gauged 4451 MCFGPD through a 3/4" choke and 5493 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2774 psia and an SIPT of 2774 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 proposed Sixth Expansion of the Dakota Participating Area.

**EXHIBIT "B"**

Geological Report on the Sixth Expansion of the Dakota Participating Area within the San Juan 28-5 Unit.

**EXHIBIT "C"**

Plate No. 1: San Juan 28-5 Unit - Subsurface Structure Map

Plate No. 2: San Juan 28-5 Unit - Isopach Map

**EXHIBIT "D"**

Table 1: Gas Production - Dakota Formation

Attached is Schedule VII showing the proposed Sixth Expanded Participating Area for the Dakota Formation in the San Juan 28-5 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.

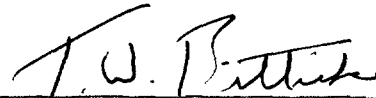
If this Sixth Expanded Participating Area of the Dakota Formation meets with your approval, please indicate such approval in the space provided below and return an approved copy hereof for our files.

Copies of this letter 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:ag

62  
114  
623

APPROVED: \_\_\_\_\_

Director, 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: July 1, 1962

APPROVED: \_\_\_\_\_

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

DATE: July 11, 1963

The foregoing approvals are for the Sixth Expansion of the Participating Area  
for the Dakota Formation, San Juan 28-5 Unit, #14-08-001-949, Rio Arriba County,  
New Mexico.

553

Boxer 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 22 requesting approval of the fifth revision of the Dakota participating area for the San Juan 28-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-949, was approved on June 12, 1963, by the Acting Director, U. S. Geological Survey, effective as of November 1, 1962.

Two approved copies of the application are 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)  
RHM, Santa Fe (w/cy appln.)  
Farmington (w/cy appln.)  
N.M.O.G.C. (ltr. only) ✓  
Com. of Pub. Lands (ltr. only)



# El Paso Natural Gas Company

El Paso, Texas

May 16, 1963

533

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1963 DRILLING PROGRAM

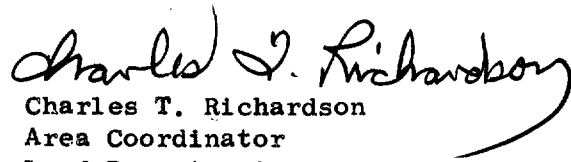
Gentlemen:

The 1963 Drilling Program for the San Juan 28-5 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 9, 1963
2. Commissioner of Public Lands - February 22, 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 28-5 Unit.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:GWO:js

# El Paso Natural Gas Company

El Paso, Texas

May 3, 1963

553

## Registered Mail

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIFTH EXPANDED PARTICIPATING AREA  
OF THE DAKOTA FORMATION  
Effective November 1, 1962

Dear Mr. Anderson:

We are transmitting for your handling six (6) copies of the captioned Expansion, together with map exhibits and geological information for the Dakota Formation within the San Juan 28-5 Unit.

The enclosed Expansion was approved by the Oil Conservation Commission on April 29, 1963, and by the Commissioner of Public Lands on May 1, 1963.

If the Expansion meets with the approval of the Director, please return two (2) approved copies for our further handling.

Very truly yours,

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

CTR:GWO:js  
Enclosures

SJ 28-5, 4.3

cc: Commissioner of Public Lands  
Oil Conservation Commission ✓

C O P Y

May 1, 1963

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

Re: San Juan 28-5 Unit  
Rio Arriba County, New Mexico

Attention: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has approved as of this date the Fifth Expanded Participating Area of the Dakota Formation for the San Juan 28-5 Unit Area, Rio Arriba County, New Mexico.

We are returning six approved copies of this expansion.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

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

ESW/mmr/v  
encl:

cc: Oil Conservation Commission  
Santa Fe, New Mexico

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

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

263

May 1, 1963

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

Attention: Mr. Sam Smith

Re: 1963 Drilling Program  
San Juan 28-3 Unit, Rio  
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1963 Drilling Program for the San Juan 28-3 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 of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

553

April 29, 1963

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

Attention: Mr. T. W. Bittick

Re: Fifth Expanded Participating  
Area San Juan 28-5 Unit, Rio  
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fifth Expanded Participating Area for the San Juan 28-5 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

# El Paso Natural Gas Company

El Paso, Texas

1963 APR 25 PM 1 21

April 23, 1963

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE FIFTH  
EXPANDED PARTICIPATING AREA OF THE  
DAKOTA FORMATION, Effective November  
1, 1962

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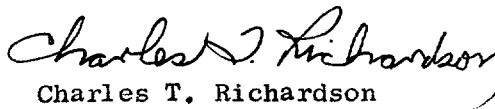
Gentlemen:

Attached are eight (8) copies of the subject Fifth Expansion of the Dakota Participating Area for the San Juan 28-5 Unit, together with the appropriate exhibits and geological information.

If this Fifth Expansion meets with your approval please execute 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:JBB:js  
Attachments

cc: John A. Anderson  
United States Geological Survey

Commissioner of Public Lands

SJ 28-5, 4.3

# El Paso Natural Gas Company

El Paso, Texas

April 22, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIFTH EXPANDED PARTICIPATING AREA  
OF THE DAKOTA FORMATION  
Effective November 1, 1962

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Fifth Expansion of the Participating Area for the Dakota Formation, to wit:

FIFTH EXPANDED PARTICIPATING AREA, Effective November 1, 1962

<u>Description</u>	<u>Acres</u>
<u>Township 28 North, Range 5 West, N.M.P.M.</u>	
Section 21: N/2	320.00

The proposed Fifth Expanded Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the following described well is capable of producing unitized substances in paying quantities from the Dakota Formation.

The San Juan 28-5 Unit #63 Well is located 990' from the North line and 1650' from the East line of Section 20, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded

on October 12, 1962, and completed on November 13, 1962, at a total depth of 8118'. The Dakota Formation in the intervals between 7830' - 7836', 7916' - 7928', 7964' - 7970', 7998' - 8004' was treated with a sand-water fracturing process on November 11, 1962. The Dakota Formation was shut-in for gauge on November 13, 1962. After being shut-in for fourteen (14) days, the Dakota Formation was tested on November 27, 1962. Following a three (3) hour blow-down period, the Dakota Formation gauged 4987 MCFGPD through a 3/4" choke and 6406 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2497 psia and an SIPT of 2564 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 proposed Fifth Expansion of the Dakota Participating Area.

**EXHIBIT "B"**

Geological Report on the Fifth Expansion of the Dakota Participating Area within the San Juan 28-5 Unit.

**EXHIBIT "C"**

Plate No. 1: San Juan 28-5 Unit - Subsurface Structure Map

Plate No. 2: San Juan 28-5 Unit - Isopach Map

**EXHIBIT "D"**

Table 1: Gas Production - Dakota Formation

Attached is Schedule VI showing the proposed Fifth Expanded Participating Area for the Dakota Formation in the San Juan 28-5 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 Fifth 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 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

A handwritten signature in dark ink, appearing to read "T. W. Bittick", written over a horizontal line.

T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ag

APPROVED: \_\_\_\_\_

Director, 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: \_\_\_\_\_

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

DATE: 4-28-63

The foregoing approvals are for the Fifth Expansion of the Participating  
Area for the Dakota Formation, San Juan 28-5 Unit, #14-08-001-949, Rio  
Arriba County, New Mexico.

MAIN OFFICE OCC

1963 APR 11 AM **Draper 1857**  
**Redwell, New Mexico**

April 9, 1963

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

**Attention: Mr. Sam Smith**

**Gentlemen:**

Your 1963 plan of development dated February 8, 1963, for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional 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**  
**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

April 5, 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #64 Well, located 1550' from the North line and 1650' from the East line of Section 28, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on December 8, 1962, and completed on February 25, 1963, in the Dakota Formation at a total depth of 7965'. The Dakota Formation in the intervals between 7756' - 7762', 7848' - 7860', 7912' - 7918', 7934' - 7946' was treated with a sand-water fracturing process on February 23, 1963. The well was shut-in on February 25, 1963, and after being shut-in for gauge for ten (10) days, the well was tested on March 7, 1963, and following a three (3) hour blow-down period the Dakota Formation gauged 4869 MCFGPD through a 3/4" choke, and 6417 MCFGPD by the calculated absolute open-flow method,

with an SIPC of 2620 psia and an SIPT of 2630 psia.  
The committed spacing unit upon which this well is  
located is described as the N/2 of Section 28, Town-  
ship 28 North, Range 5 West, containing 320.00 acres.

This spacing unit was included in the San Juan 28-5 Unit  
Fourth Expanded Participating Area of the Dakota Formation, effective  
October 1, 1960. 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:GWO:ag

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace & James A.  
Brown, Trustees under the Last Will  
and 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

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

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

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

Mr. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

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

T. H. McElvain, Jr. and  
Catherine B. McElvain  
P. O. Box 2148  
Santa Fe, New Mexico

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

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

Phillips Petroleum Company  
Attention: A. J. Hintze  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attn: C. W. Corbett  
1200 Denver Club Building  
Denver 2, Colorado

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

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**  
**(Continued)**

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

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

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

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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

MAIN OFFICE DEC  
*El Paso Natural Gas Company*

553

1963 MAR 13 AM 8:21

*El Paso, Texas*

March 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that two (2) additional wells capable of producing unitized substances in commercial quantities from the Dakota Formation have been completed upon acreage committed to the unit. These wells are as follows:

The San Juan 28-5 Unit #65 Well, located 1500' from the South line and 1700' from the West line of Section 28, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 23, 1962, and completed on December 29, 1962, in the Dakota Formation at a total depth of 7923'. The Dakota Formation in the intervals between 7604' - 7610', 7704' - 7716', 7770' - 7776', 7802' - 7808' was treated with a sand-water fracturing process on December 27, 1962. The well was shut-in on December 29, 1962, and after being shut-in for gauge for seventeen (17) days, the well was tested on January 15, 1963, and following a three (3) hour blow-down period the Dakota Formation gauged 7701 MCFGPD through a 3/4" choke, and 12,592 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2681 psia



and an SIPT of 2689 psia. The committed spacing unit upon which this well is located is described as the S/2 of Section 28, Township 28 North, Range 5 West, containing 320.00 acres.

A part of this spacing unit, the SW/4, was included in the Third Expanded Participating Area of the Dakota Participating Area, effective July 1, 1960, and the SE/4 of Section 28 was included in the Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960. Therefore, the Participating Area is not enlarged.

The San Juan 28-5 Unit #62 Well, located 1450' from the North line and 1750' from the East line of Section 31, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on December 9, 1962, and completed on January 1, 1963, in the Dakota Formation at a total depth of 7717'. The Dakota Formation in the intervals between 7492' - 7504', 7602' - 7614', 7650' - 7656' was treated with a sand-water fracturing process on December 30, 1962. The well was shut-in on January 1, 1963, and after being shut-in for gauge for fourteen (14) days the well was tested on January 15, 1963, and following a three (3) hour blow-down period the Dakota Formation gauged 2971 MCFGPD through a 3/4" choke, and 3030 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1691 psia and an SIPT of 1801 psia. The committed spacing unit upon which this well is located is described as the N/2 of Section 31, Township 28 North, Range 5 West, containing 320.00 acres.

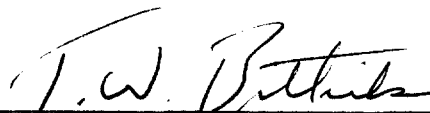
A part of this spacing unit, the NE/4 of Section 31, was included in the Third Expanded Participating Area of the Dakota Formation, effective July 1, 1960, and a part of this spacing unit, the NW/4 of Section 31, was included in the San Juan 28-5 Second Expanded Participating Area of the Dakota Formation, effective December 1, 1959. 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 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace & James A.  
Brown, Trustees under the Last Will  
and 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

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

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. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

T. H. McElvain, Jr. and Catherine F.  
McElvain  
Box 2148  
Santa Fe, New Mexico

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

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

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

Phillips Petroleum Company  
Attention: Mr. A. J. Hintze  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: Mr. C. W. Corbett  
1200 Denver Club Building  
Denver 2, Colorado

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 28-5 UNIT  
Working Interest Owners  
(Continued)

Mr. M. A. Romero  
P. O. Box 2011  
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

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

Mrs. Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

MAIN OFFICE 000

# El Paso Natural Gas Company

553

1963 MAR 4 AM 8:02

El Paso, Texas

February 25, 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #54 Well, located 1060' from the South line and 800' from the West line of Section 20, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on December 5, 1962, and completed on December 30, 1962, in the Dakota Formation at a total depth of 7969'. The Dakota Formation in the intervals between 7718' - 7730', 7764' - 7770', 7810 - 7822', 7876' - 7882' was treated with a sand-water fracturing process on December 28, 1962. The well was shut-in on December 30, 1962, and after being shut-in for gauge for sixteen (16) days, the well was tested on January 15, 1963, and following a three (3) hour blow-down period the Dakota Formation gauged 3936 MCFGPD through a 3/4" choke, and 4455 MCFGPD by the calculated absolute open-flow method with an SIPC of 2624 psia and an SIPT of

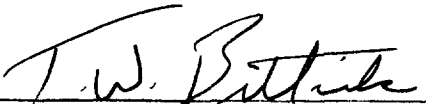
2641 psia. The committed Spacing Unit upon which this well is located is described as the W/2 of Section 20, Township 28 North, Range 5 West, containing 320.00 acres.

This Spacing Unit was included in the San Juan 28-5 Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

Copies of this letter are being sent to the working interest owners 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 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

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Rye, New York

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

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

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

Mr. Thomas F. Harrington  
c/o Mr. T. H. Harrington  
P. O. Box 4026, Station "A"  
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Mr. Ralph H. McCullough  
2001 Gulf Building  
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Morris, Illinois

Mr. J. William McElvain  
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Scottsdale, Arizona

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

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**  
**(Continued)**

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

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

**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**

**Ruth M. Vaughan**  
**300 Coversham Road**  
**Bryn Mawr, Pennsylvania**

El Paso Natural Gas Company

1973 MAR 4 AM 8 02

El Paso, Texas

February 25, 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #66 Well, located 1090' from the South line and 1650' from the West line of Section 29, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 9, 1962, and completed on December 16, 1962, in the Dakota Formation at a total depth of 7860'. The Dakota Formation in the intervals between 7584' - 7590', 7683' - 7695', 7728' - 7734', 7747' - 7753', 7780' - 7788' was treated with a sand-water fracturing process on December 14, 1962. The well was shut-in on December 16, 1962, and after being shut-in for gauge for fourteen (14) days, the well was tested on December 30, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged 6009 MCFGPD through a 3/4" choke, and 7939 MCFGPD by the calculated absolute open-flow method, with an SIPC of



2736 psia and an SIPT of 2725 psia. The committed Spacing Unit upon which this well is located is described as the S/2 of Section 29, Township 28 North, Range 5 West, containing 320.00 acres.

This Spacing Unit was included in the Third Expanded Participating Area of the Dakota Formation, effective July 1, 1960. The completion of this well does not warrant any further expansion of the Dakota Participating Area.

Copies of this letter are being sent to the working interest owners 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:ag

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

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

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

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

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

Mr. Thomas F. Harrington  
c/o Mr. 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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309 West Jefferson Street  
Morris, Illinois

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

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Santa Fe, New Mexico

T. H. McElvain, Jr. and Catherine F.  
McElvain  
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Mr. Forrest B. Miller & Mabelle Miller  
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Attention: Mr. T. M. Curtis  
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Farmington, New Mexico

Phillips Petroleum Company  
Attention: A. J. Hintze  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: C. W. Corbett  
1200 Denver Club Building  
Denver 2, Colorado

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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 28-5 UNIT  
Working Interest Owners  
(Continued)

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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

553

El Paso Natural Gas Company

El Paso, Texas

February 25, 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #57 Well, located 890' from the North line and 1150' from the East line of Section 19, Township 28 North, Range 5 West, Rio Arriba County, New Mexico was spudded on December 1, 1962, and completed on December 27, 1962, in the Dakota Formation at a total depth of 7920'. The Dakota Formation in the intervals between 7638' - 7650', 7682' - 7688', 7730' - 7742', 7806' - 7812', 7834' - 7840' was treated with a sand-water fracturing process on December 24, 1962. The well was shut-in on December 27, 1962, and after being shut-in for gauge for eight (8) days, the well was tested on January 4, 1963, and following a three (3) hour blow-down period the Dakota Formation gauged 4698 MCFGPD through a 3/4" choke, and 5822 MCFGPD by the calculated absolute open-flow method, with

an SIPC of 2594 psia and an SIPT of 2570 psia. The committed spacing unit upon which this well is located is described as the N/2 of Section 19, Township 28 North, Range 5 West, containing 320.00 acres.

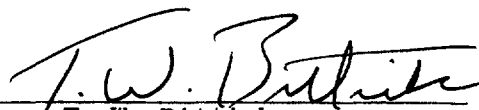
This spacing unit was included in the San Juan 28-5 Unit First Expanded Participating Area of the Dakota Formation, effective August 1, 1959. Therefore, the completion of this well does not warrant any further expansion of the Dakota Participating Area at this time.

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:GWO:ag

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace & James A.  
Brown, Trustees under the Last Will  
and 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

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

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

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

Mr. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

Catherine B. McElvain, Individually  
and as Executrix of the Estate of  
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Santa Fe, New Mexico

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McElvain  
P. O. Box 2148  
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Mr. Forrest B. Miller & Mabelle Miller  
220 Shelby Street  
Santa Fe, New Mexico

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

Phillips Petroleum Company  
Attention: A. J. Hintze  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attn: C. W. Corbett  
1200 Denver Club Building  
Denver 2, Colorado

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

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

SAN JUAN 28-5 UNIT  
Working Interest Owners  
(Continued)

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

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

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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

1000 MAR 4 PM 1:35

February 22, 1963

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

Re: San Juan 28-5 Unit  
Rio Arriba County,  
New Mexico. 1963  
Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands has approved as of February 22, 1963, the Drilling Program for the San Juan 28-5 Unit Area, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning two approved copies of this Program.

Very truly yours,

E. S. Johnny Walker  
COMMISSIONER OF PUBLIC LANDS

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

ESW/mmr/e

encl:

cc:

United States Geological Survey  
Roswell, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico



533  
*El Paso Natural Gas Company*

OFFICE 000

*El Paso, Texas*

1963 FEB 18 AM 8:25

February 8, 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 commercial quantities from the Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

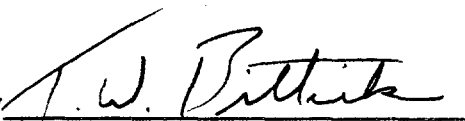
The San Juan 28-5 Unit #60 Well, located 990' from the North line and 1190' from the East line of Section 29, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on November 7, 1962, and completed on December 8, 1962, in the Dakota Formation at a total depth of 8014'. The Dakota Formation in the intervals between 7782' - 7788', 7876' - 7888', 7922' - 7926', 7940' - 7946', 7974' - 7980' was treated with a sand-water fracturing process on December 6, 1962. The well was shut-in on December 8, 1962, and after being shut-in for gauge for eleven (11) days, the well was tested on December 19, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged 4919 MCFGPD through a 3/4" choke, and 6375 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2068 psia and an SIPT of 2445 psia. The committed spacing unit upon which this well is located is described as the N/2 of Section 29, Township 28 North, Range 5 West, containing 320.00 acres.

This spacing unit was included in the San Juan 28-5 Fourth Expanded Participating Area of the Dakota Formation, effective October 1, 1960. 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

TWB:GWO:js  
Attachment

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

Mr. W. E. Alsup  
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Mrs. Evelyn G. Brown  
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Meadows Building  
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Mr. Forrest B. Miller & Mabelle Miller  
220 Shelby Street  
Santa Fe, New Mexico

Pan American Petroleum Corporation (12)  
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P. O. Box 480  
Farmington, New Mexico

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Attention: Mr. A. J. Hintze  
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Attention: Mr. C. W. Corbett, Manager  
Exploration and Production Department  
1200 Denver Club Building  
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Mr. M. A. Romero  
P. O. Box 2011  
Santa Fe, New Mexico

SAN JUAN 28-5 Unit  
Working Interest Owners  
Page 2

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

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P. O. Box 896  
Albuquerque, New Mexico

Mrs. Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# El Paso Natural Gas Company

El Paso, Texas

February 8, 1963

MAILED OFFICE 300

1963 FEB 13 AM 8 27

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1963 DRILLING PROGRAM

Gentlemen:

By letter dated September 5, 1962, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1962. Said Program provided for the drilling of one (1) Mesaverde well and twelve (12) Dakota wells. The Mesaverde well and the Dakota wells were drilled on lands within the Mesaverde and Dakota Participating Areas, but one of the Dakota wells will result in the Fifth Expansion of the Dakota Participating Area.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Mesaverde	46
Dual, Mesaverde - Dakota	6
Mesaverde, Non-Commercial	1
Dakota	<u>12</u>
	65

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit this Drilling Program providing 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, will 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  
Sam Smith, Manager  
Land Department

SS:GWO:ag

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

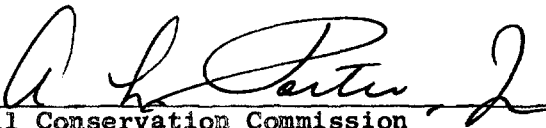
DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

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

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

APPROVED: \_\_\_\_\_

  
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 1963 Drilling Program for the San Juan  
28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico.

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace & James A.  
Brown, Trustees under the Last Will  
and 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

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

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. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

Mr. T. H. McElvain, Jr. & Catherine F.  
McElvain  
Box 2148  
Santa Fe, New Mexico

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

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

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

Phillips Petroleum Company  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attn: C. W. Corbett, Manager  
Exploration & Production Dept.  
1200 Denver Club Building  
Denver 2, Colorado

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

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



SAN JUAN 28-5 UNIT  
Working Interest Owners  
(Continued)

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

**OIL CONSERVATION COMMISSION**

**P. O. BOX 871**

**SANTA FE, NEW MEXICO**

553

**January 30, 1963**

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

**Attention: Mr. Sam Smith**

**Re: 1962 Drilling Program  
San Juan 28-5 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 28-5 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 of Public Lands  
Santa Fe, New Mexico**

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

**Enclosure**

C  
O  
P  
Y

# El Paso Natural Gas Company 553

El Paso, Texas

January 29, 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #58 Well, located 810' from the South line and 800' from the West line of Section 30, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 7, 1962, and completed on October 30, 1962, in the Dakota Formation at a total depth of 7834'. The Dakota Formation in the intervals between 7540' - 7552', 7640' - 7652', 7684' - 7690', 7705' - 7711', 7732' - 7738' was treated with a sand-water fracturing process on October 28, 1962. The well was shut-in on October 30, 1962, and after being shut-in for gauge for seven (7) days, the well was tested on November 6, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged

4878 MCFGPD through a 3/4" choke, and 6144 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2549 and an SIPT of 2581. The committed Spacing Unit upon which this well is located is described as the S/2 of Section 30, Township 28 North, Range 5 West, containing 320.00 acres.

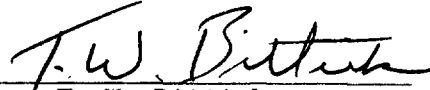
A part of this Spacing Unit, the SW/4 of Section 30, was included in the Second Expanded Participating Area of the Dakota Formation, effective December 1, 1959, and a part, the SE/4 of Section 30, was included in the Third Expanded Participating Area of the Dakota Formation, effective July 1, 1960. The completion of this well does not warrant any further expansion of the Dakota Participating Area.

Copies of this letter are being sent to the working interest owners 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 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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Box 820  
Espanola, New Mexico

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Attention: Mr. James W. Goss, Jr.  
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McElvain  
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Miller  
220 Shelby Street  
Santa Fe, New Mexico

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

Phillips Petroleum Company  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attn: C. W. Corbett, Manager  
Exploration & Production Dept.  
1200 Denver Club Building  
Denver 2, Colorado

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P. O. Box 1585  
Scottsdale, Arizona

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

SAN JUAN 28-5 UNIT  
Working Interest Owners  
(Continued)

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

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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

583  
*El Paso Natural Gas Company*

RECEIVED  
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  
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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #59 Well, located 1850' from the North line and 1450' from the East line of Section 30, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on October 10, 1962, and completed on November 8, 1962, in the Dakota Formation at a total depth of 7880'. The Dakota Formation in the intervals between 7602' - 7614', 7698' - 7710', 7740' - 7746', 7762' - 7768', 7790' - 7796' was treated with a sand-water fracturing process on November 2, 1962. The well was shut-in on November 8, 1962, and after being shut-in for gauge for twenty (20) days, the well was tested on November 28, 1962, and following a three (3) hour

blow-down period the Dakota Formation gauged 5824 MCFGPD through a 3/4" choke, and 6617 MCFGPD by the calculated absolute open-flow method with an SIPT of 2698 psia. The committed Spacing Unit upon which this well is located is described as the N/2 of Section 30, Township 28 North, Range 5 West, containing 320.00 acres.

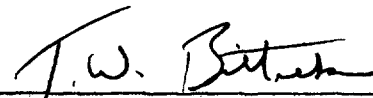
This Spacing Unit was included in the San Juan 28-5 Second Expanded Participating Area of the Dakota Formation, effective December 1, 1959, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

Copies of this letter are being sent to the working interest owners 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 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

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Rye, New York

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

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

Mr. Thomas F. Harrington  
c/o Mr. T. H. Harrington  
P. O. Box 4026, Station "A"  
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2001 Gulf Building  
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Mr. Carl R. McElvain  
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Mr. J. William McElvain  
310 East Jefferson Street  
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Mr. T. H. McElvain, Jr. and  
Catherine F. McElvain  
P. O. Box 2148  
Santa Fe, New Mexico

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

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

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

Phillips Petroleum Company  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attn: C. W. Corbett, Manager  
Exploration & Production Dept.  
1200 Denver Club Building  
Denver 2, Colorado

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

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

**SAN JUAN 28-5 Unit**  
**Working Interest Owners**  
**(Continued)**

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

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

**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**

**Ruth M. Vaughan**  
**300 Coversham Road**  
**Bryn Mawr, Pennsylvania**

# El Paso Natural Gas Company

552

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  
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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Dakota Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #56 Well, located 800' from the South line and 1650' from the West line of Section 32, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on September 8, 1962, and completed on October 9, 1962, in the Dakota Formation at a total depth of 7888'. The Dakota Formation in the intervals between 7720' - 7732', 7804' - 7810' was treated with a sand-water fracturing process on October 8, 1962. The well was shut-in on October 18, 1962, and after being shut-in for gauge for nineteen (19) days, the well was tested on November 6, 1962, and following a three (3) hour blow-down period the Dakota Formation gauged

3467 MCFGPD through a 3/4" choke, and 10,886 MCFGPD by the calculated absolute open-flow method with an SIPC of 1680 psia and an SIPT of 1836. The committed Spacing Unit upon which this well is located is described as the S/2 of Section 32, Township 28 North, Range 5 West, containing 318.72 acres.

This Spacing Unit was included in the San Juan 28-5 Third Expanded Participating Area of the Dakota Formation, effective July 1, 1960, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

Copies of this letter are being sent to the working interest owners 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:ag

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

Mr. J. R. Abercrombie  
P. O. Box 224  
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Mr. W. E. Alsup  
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General American Oil Company of Texas  
Attention: Mr. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

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c/o Mr. T. H. Harrington  
P. O. Box 4026, Station "A"  
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Santa Fe, New Mexico

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B. McElvain  
P. O. Box 2148  
Santa Fe, New Mexico

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

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

Phillips Petroleum Company  
402 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attn: C. W. Corbett, Manager  
Exploration & Production Dept.  
1200 Denver Club Building  
Denver 2, Colorado

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

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

SAN JUAN 28-5 UNIT  
Working Interest Owners  
(Continued)

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

Mr. M. A. Romero  
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P. O. Box 896  
Albuquerque, New Mexico

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

*El Paso Natural Gas Company*  
MAIN OFFICE 000

1963 JAN 25 PM 1:28 El Paso, Texas

January 22, 1963

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

Re: San Juan 28-5 Unit, #14-08-001,949  
Rio Arriba County, New Mexico  
1962 Drilling Program

Gentlemen:

Our records indicate that we have not received an approved copy of the 1962 Drilling Program for the San Juan 28-5 Unit, which was submitted by our letter dated September 5, 1962.

We will appreciate your examining this Program and, if it meets with your approval, sending us an approved copy for our file.

Very truly yours,

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

CTR:GWO:js

SJ 28-5, 3.0

cc: 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

Drawer 1857

Roswell, New Mexico

October 4, 1962

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1962 plan of development dated September 5, 1962, for the San Juan 28-5 unit agreement, Rio Arriba County, New Mexico, proposing the drilling of one Mesaverde well and twelve 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  
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

553

October 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL - Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #55 Well, located 1800' from the South line and 1020' from the West line of Section 23, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 1, 1962, and completed on August 18, 1962, in the Mesaverde Formation at a total depth of 6393'. The Cliff House, Menefee and Point Lookout Sections of the Mesaverde Formation in the intervals between 5822' - 5828', 5840' - 5846', 6170' - 6174', 6186' - 6190', 6228' - 6232', 6274' - 6278', 6312' - 6318' were treated with a sand-water fracturing process on August 16, 1962. The Mesaverde Formation was shut-in on August 18, 1962, and after being shut-in for gauge for thirteen (13) days, the well was tested on August 31, 1962, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3814 MCFGPD through a 3/4" choke and 6330 MCFGPD by the calculated

absolute open-flow method, with an SIPC of 1115 PSIA and an SIPT of 1116 PSIA. The committed drilling block upon which this well is located is described as the S/2 of Section 23, Township 28 North, Range 5 West, containing 320.00 acres.

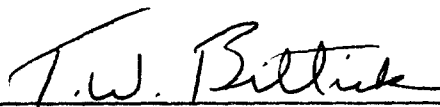
This drilling block was included in the San Juan 28-5 Twenty-Sixth Expanded Participating Area for the Mesaverde Formation, effective August 1, 1961, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

Copies of this letter are being sent to the working interest owners 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 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
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Houston 2, Texas

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Bellaire, Texas

Mr. W. E. Alsup  
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Aztec, New Mexico

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Attention: Mr. T. M. Curtis  
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Attention: Division Landman  
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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

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

Page 2

Working interest owners  
SAN JUAN 28-5 UNIT

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# *El Paso Natural Gas Company*

*El Paso, Texas*

September 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 28-5 Unit #14-08-001-949  
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 seven (7) Mesaverde wells. All seven (7) Mesaverde wells were drilled and completed as commercial wells, and have been admitted to the Mesaverde Participating Area..

As of this date, the total number of wells in the San Juan 28-5 Unit are as follows:

Mesaverde	45
Dual, Mesaverde-Dakota	6
Mesaverde, Non-commercial	<u>1</u>
	52

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit this Drilling Program providing for the drilling of the following described wells during the period from January 1, 1962 to December 31, 1962:

<u>DEDICATION</u>	<u>FORMATION</u>
*S/2 Section 23, T-28-N, R-5-W	Mesaverde
S/2 Section 32, T-28-N, R-5-W	Dakota
W/2 Section 20, T-28-N, R-5-W	Dakota
N/2 Section 19, T-28-N, R-5-W	Dakota
N/2 Section 30, T-28-N, R-5-W	Dakota
S/2 Section 30, T-28-N, R-5-W	Dakota
N/2 Section 29, T-28-N, R-5-W	Dakota
N/2 Section 18, T-28-N, R-5-W	Dakota
N/2 Section 31, T-28-N, R-5-W	Dakota
E/2 Section 20, T-28-N, R-5-W	Dakota
N/2 Section 28, T-28-N, R-5-W	Dakota
S/2 Section 28, T-28-N, R-5-W	Dakota
S/2 Section 29, T-28-N, R-5-W	Dakota

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 affected working interest owners.

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 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.

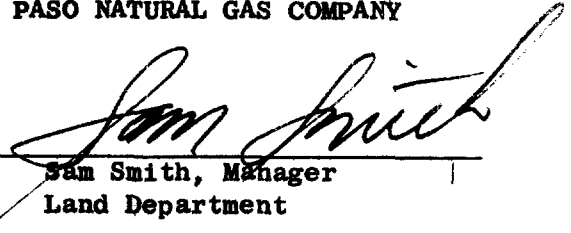
\*Intervening Drilling Block to be drilled during 1962. Has been drilled and is reflected above in total number of wells drilled to date.

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

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: \_\_\_\_\_

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

DATE: Jan 30, 1963

The foregoing approvals are for the 1962 Drilling Program for the San Juan 28-5  
Unit #14-08-001-949, Rio Arriba County, New Mexico.



**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

**Mr. John L. Abercrombie**  
**The Spur Building**  
**1947 West Gray Avenue**  
**Houston 2, Texas**

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

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

**American Petrofina Company of Texas**  
**P.O. Box 2159**  
**Dallas 21, Texas**

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

**Mr. Tom Bolack and Alice Bolack**  
**1010 North Dustin**  
**Farmington, New Mexico**

**Mrs. Evelyn Ellen Wallace & James A.**  
**Brown, Trustees under the Last Will**  
**and 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**

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

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

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

**Mr. Carl R. McElvain**  
**309 West Jefferson Street**  
**Morris, Illinois**

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

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

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

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

**Phillips Petroleum Company**  
**508 Bank Building**  
**Bartlesville, Oklahoma**

**Phillips Petroleum Company**  
**Attention: Division Landman**  
**1200 Denver Club Building**  
**Denver 2, Colorado**

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

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

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

Page 2

Working interest owners  
SAN JUAN 28-5 UNIT

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

Mr. T. H. McElvain, Jr.  
220 Shelby Street  
Santa Fe, New Mexico

Miss Catherine F. McElvain  
220 Shelby Street  
Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

October 6, 1961

563

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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #49 Well, located 1550' from the North line and 950' from the East line of Section 23, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 17, 1961, and completed on September 4, 1961, in the Mesaverde Formation at a total depth of 6799'. The Mesaverde Formation in the intervals between 6584' - 6592', 6604' - 6612', 6620' - 6628', 6644' - 6652', 6664' - 6668', 6672' - 6676', 6688' - 6692', 6698' - 6706' was treated with a sand-water fracturing process on September 3, 1961. The well was shut-in on September 6, 1961, and after being shut-in for gauge for eight (8) days, the well was tested on September 14, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 2355 MCFGPD through a 3/4" choke, and 2930 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1109 psia and an SIPT of 1110 psia. The committed drilling block upon which this well is located is described as the N/2 of Section 23, Township 28 North, Range 5 West, containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Twenty-Third Expanded Participating Area of the Mesaverde Formation, effective September 1, 1960, 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 list.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:cah

SAN JUAN 28-5 UNIT

Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P.O. Box 2159  
Dallas 21, Texas

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

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1010 North Dustin  
Farmington, New Mexico

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Brown, Trustees under the Last Will  
and Testament of A. W. Brown  
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Rye, New York

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Park Drive South  
Rye, New York

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

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

Mr. Thomas F. Harrington  
c/o Mr. T. H. Harrington  
P.O. Box 4026, Station "A"  
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2001 Gulf Building  
Houston, Texas

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Mr. Forrest B. Miller & Mabelle Miller  
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Santa Fe, New Mexico

Pan American Petroleum Corporation (12)  
Attention: Mr. L. O. Speer, Jr.  
P.O. Box 480  
Farmington, New Mexico

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508 Bank Building  
Bartlesville, Oklahoma

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Attention: Division Landman  
1200 Denver Club Building  
Denver 2, Colorado

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Mr. M. A. Romero  
P.O. Box 2011  
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NBS Corporation  
c/o Mr. Robert E. Fox,  
Attorney at Law  
P.O. Box 1713  
Santa Fe, New Mexico

Page 2

Working interest owners  
SAN JUAN 28-5 UNIT

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# *El Paso Natural Gas Company*

*El Paso, Texas*

September 13, 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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL - Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #51 Well, located 1800' from the North line and 1150' from the East line of Section 31, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on July 31, 1961, and completed on August 15, 1961, in the Mesaverde Formation at a total depth of 5580'. The Cliff House member of the Mesaverde Formation in the interval between 5026' - 5038' was shot, treated with acid and treated with a sand-water fracturing process on August 13, 1961. The Point Lookout member of the Mesaverde Formation in the intervals between 5404' - 5410', 5420' - 5426', 5430' - 5442', 5448' - 5454', 5462' - 5468', 5480' - 5486', 5496' - 5502' was treated with a sand-water fracturing process on August 12, 1961. The well was shut-in on August 15, 1961, and after being shut-in for gauge for nine (9) days, the well was tested on August 24, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3986 MCFGPD through a 3/4" choke, and 6983 MCFGPD by the calculated absolute open-flow method with an SIPC

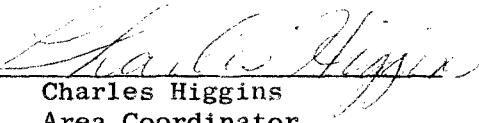
of 1082 psia and an SPIT of 1080 psia. The committed drilling block upon which this well is located is described as the N/2 of Section 31, Township 28 North, Range 5 West, containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Twenty-Third Expanded Participating Area of the Mesaverde Formation, effective September 1, 1960, 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   
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js



**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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5322 Institute Lane  
Houston, Texas

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

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James A. Brown, Trustees under the  
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Rye, New York

Mrs. Evelyn G. Brown  
Park Drive South  
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Mr. James A. Brown  
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General American Oil Company of Texas  
Attention: Mrs. James W. Goss, Jr.  
Meadows Building  
Dallas 6, Texas

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c/o Mr. T. H. Harrington  
P. O. Box 4026, Station "A"  
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220 Shelby Street  
Santa Fe, New Mexico

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

Pan American Petroleum Corporation  
Attention: Mr. L. O. Speer  
P. O. Box 480  
Farmington, New Mexico

Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: Division Landman  
Land & Geological Department  
1200 Denver Club Building  
Denver 2, Colorado

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Scottsdale, Arizona

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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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# 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  
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 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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:

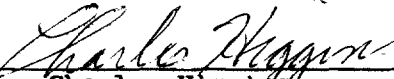
The San Juan 28-5 Unit #50 Well, located 1090' from the South line and 1150' from the West line of Section 28, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on March 10, 1961, and completed on May 3, 1961, in the Mesaverde Formation at a total depth of 5780'. The Mesaverde Formation in the intervals between 5139' - 5143', 5165' - 5171', 5187' - 5193', 5205' - 5213', 5225' - 5231', 5579' - 5585', 5625' - 5631', 5641' - 5647', 5651' - 5657', 5685' - 5691', 5699' - 5705' was treated with a water fracturing process on April 29, 1961. The well was shut-in on May 3, 1961, and after being shut-in for gauge for nine (9) days, the well was tested on May 12, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 2436 MCFGPD through a 3/4" choke, and 2575 MCFGPD by the calculated absolute open-flow method with an SIPC of 1109 psia. The committed drilling block upon which this well is located is described as the S/2 of Section 28, Township 28 North, Range 5 West, containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Twenty-Fourth Expanded Participating Area of the Mesaverde Formation, effective November 1, 1960, 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   
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js

**SAN JUAN 28-5 UNIT**  
**Working Interest Owners**

Mr. John L. Abercrombie  
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P. O. Box 224  
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Mr. W. E. Alsup  
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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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Scottsdale, Arizona

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

Mrs. Omega E. Quinn  
3900 $\frac{1}{2}$  Travis  
Dallas 5, Texas

Mr. M. A. Romero  
P. O. Box 2011  
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

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

Mrs. Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# El Paso Natural Gas Company

El Paso, Texas

August 21, 1961

Mr. John A. Anderson  
United States Geological Survey  
Regional Oil and Gas Supervisor  
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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND TWENTY-SIXTH EXPANDED PAR-  
TICIPATING AREA, Mesaverde Formation  
Effective August 1, 1961

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #48 Well is located 1150' from the South line and 850' from the West line of Section 22, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on June 14, 1961 and completed on July 11, 1961 at a total depth of 6015'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5792' - 5798', 5818' - 5824', 5870' - 5876', 5894' - 5900', 5910' - 5916', 5922' - 5928', 5948' - 5954' was perforated and treated with a sand-water fracturing process on July 9, 1961. The well was shut-in on July 11, 1961. After being shut-in for eight (8) days, the Mesaverde Formation was tested on July 19, 1961, and following a three (3) hour blow-down period gauged 2378 MCFGPD through a 3/4" choke and 2598 MCFGPD by the calculated absolute open-flow method with an SIPC of 1106 PSIA and an SIPT of 821 PSIA. The committed drilling block upon which this well is located is described as the S/2 of Section 22,

Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Twenty-First Expanded Participating Area, of the Mesaverde Formation for the San Juan 28-5 Unit, effective July 1, 1960 as an intervening drilling block.

The completion of the San Juan 28-5 Unit #48 Well creates one (1) intervening drilling block described as the S/2 of Section 23, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area effective August 1, 1961, and a well must be commenced upon the said drilling block by August 1, 1962.

Attached is Schedule XXVIII showing the Twenty-Sixth Expanded Participating Area for the San Juan 28-5 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 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

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas

July 12, 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  
Capitol Annex Building  
Santa Fe, New Mexico

Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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:

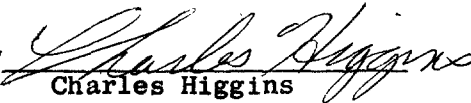
The San Juan 28-5 Unit #43 Well, located 1190' from the South line and 1750' from the West line of Section 25, Township 28 North, Range 5 West, Rio Arriba County, New Mexico was spudded on April 18, 1961, and completed on May 21, 1961, in the Mesaverde Formation at a total depth of 6065'. The Mesaverde Formation in the intervals between 5874' - 5882', 5932' - 5938', 5942' - 5950', 5992' - 6000', 6018' - 6028' was treated with a sand-water fracturing process on May 13, 1961. The well was shut-in on May 21, 1961, and after being shut-in for gauge for eighteen (18) days, the well was tested on June 7, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3340 MCFGPD through a 3/4" choke, and 3709 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1113#. The committed drilling block upon which this well is located is described as the S/2 of Section 25, Township 28 North, Range 5 West, containing 344.48 acres.

This drilling block was included in the San Juan 28-5 Twenty-Fifth Expanded Participating Area of the Mesaverde Formation, effective December 1, 1960, 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   
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js  
Attachment



SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

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

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

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

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

Mr. Carl R. McElvain  
309 West Jefferson Street  
Morris, Illinois

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

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

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

Pan American Petroleum Corporation (12)  
Attention: Mr. L. O. Speer  
P. O. Box 480  
Farmington, New Mexico

Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: Division Landman  
Land & Geological Department  
1200 Denver Club Building  
Denver 2, Colorado

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

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

Mrs. Omega E. Quinn  
3900½ Travis  
Dallas 5, Texas

Mr. M. A. Romero  
P. O. Box 2011  
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

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

Ruth M. Vaughan  
300 Coversham Road  
Bryn Mawr, Pennsylvania

883

# El Paso Natural Gas Company

El Paso, Texas

June 16, 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  
Capitol Annex Building  
Santa Fe, New Mexico

Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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:

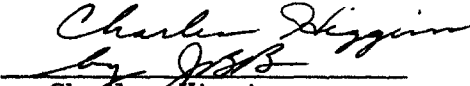
The San Juan 28-5 Unit #53 Well, located 1800' from the North line and 1565' from the East line of Section 35, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on April 4, 1961, and completed on May 9, 1961, in the Mesaverde Formation at a total depth of 5929'. The Mesaverde Formation in the intervals between 5714' - 5722', 5756' - 5764', 5778' - 5788', 5804' - 5816', 5826' - 5832', 5836' - 5844' was treated with a sand-water fracturing process on May 1, 1961. The well was shut-in on May 9, 1961, and after being shut-in for gauge for seventeen (17) days, the well was tested on May 26, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 1610 MCFGPD through a 3/4" choke, and 1647 MCFGPD by the calculated absolute open-flow method with an SIPC of 1139#. The committed drilling block upon which this well is located is described as the N/2 of Section 35, Township 28 North, Range 5 West, containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Twenty-Fifth Expanded Participating Area of the Mesaverde Formation, effective December 1, 1960, 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   
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

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

Mr. Tom Bolack and Alice Bolack  
1010 North Dustin  
Farmington, New Mexico

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

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

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

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

Mr. Carl R. McElvain  
309 West Jefferson Streer  
Morris, Illinois

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

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

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

Pan American Petroleum Corporation (12)  
Attention: Mr. L. O. Speer  
P. O. Box 480  
Farmington, New Mexico

Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: Division Landman  
Land & Geological Department  
1200 Denver Club Building  
Denver 2, Colorado

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Route 4, Box 4196  
Mesa, Arizona

Mrs. Omega E. Quinn  
3900½ Travis  
Dallas 5, Texas

Mr. M. A. Romero  
P. O. Box 2011  
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

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

Ruth M. Vaughn  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# El Paso Natural Gas Company

El Paso, Texas

June 16, 1961

Oil 285

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  
Capitol Annex Building  
Santa Fe, New Mexico

Re: San Juan 28-5 Unit #14-08-001-949  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #52 Well, located 1650' from the North line and 1550' from the East line of Section 33, Township 28 North, Range 5 West, Rio Arriba County, New Mexico was spudded on March 24, 1961, and completed on May 9, 1961, in the Mesaverde Formation at a total depth of 5814'. The Mesaverde Formation in the intervals between 5224' - 5232', 5274' - 5284', 5292' - 5298', 5632' - 5638', 5664' - 5670', 5684' - 5698', 5708' - 5712', 5728' - 5734' was treated with a sand-water fracturing process on May 1, 1961. The well was shut-in on May 9, 1961, and after being shut-in for gauge for seventeen (17) days, the well was tested on May 26, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 2202 MCFGPD through a 3/4" choke, and 2304 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1095#. The committed drilling block upon which this well is located is described as the N/2 of Section 33, Township 28 North, Range 5 West, containing 320.00 acres.

-2-

This drilling block was included in the San Juan 28-5 Twenty-Second Expanded Participating Area of the Mesaverde Formation, effective August 1, 1960, 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 Charles Higgins  
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. John L. Abercrombie  
The Spur Building  
1947 West Gray Avenue  
Houston 2, Texas

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

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

American Petrofina Company of Texas  
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5322 Institute Lane  
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1010 North Dustin  
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General American Oil Company of Texas  
Attention: Mrs. James W. Goss, Jr.  
Meadows Building  
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Albuquerque, New Mexico

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2001 Gulf Building  
Houston, Texas

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Mr. J. William McElvain  
310 East Jefferson Street  
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Mr. T. H. McElvain & Catherine B. McElvain  
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Santa Fe, New Mexico

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

Pan American Petroleum Corporation (12)  
Attention: Mr. L. O. Speer  
P. O. Box 480  
Farmington, New Mexico

Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
Attention: Division Landman  
Land & Geological Department  
1200 Denver Club Building  
Denver 2, Colorado

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Scottsdale, Arizona

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

Mrs. Omega E. Quinn  
3900 $\frac{1}{2}$  Travis  
Dallas 5, Texas

Mr. M. A. Romero  
P. O. Box 2011  
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

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

Ruth M. Vaughn  
300 Coversham Road  
Bryn Mawr, Pennsylvania

# El Paso Natural Gas Company

El Paso, Texas

June 9, 1961

*Case #467*

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  
Capitol Annex Building  
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464  
Rio Arriba County, New Mexico

Gentlemen:

This letter is to inform you that the Regional Oil and Gas Supervisor, by letter dated June 5, 1961, concurred with El Paso Natural Gas Company's determination that the San Juan 31-6 Unit Well #16-33 is incapable of producing unitized substances in paying quantities from the Dakota Formation under existing conditions.

A copy of this letter is being sent to the working interest owners in the San Juan 31-6 Unit. .

Very truly yours,

*Charles Higgins*  
*by JSS*  
Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js  
Attachment

SJ 31-6, 4.3



# El Paso Natural Gas Company

El Paso, Texas

May 10, 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  
Of the State of New Mexico  
Post Office Box 791  
Santa Fe, New Mexico

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE THIRD AND  
FOURTH EXPANDED PARTICIPATING AREAS OF THE  
DAKOTA FORMATION, Effective July 1, 1960  
and October 1, 1960

---

Gentlemen:

This letter is to inform you that the regulatory bodies approved the Third and Fourth Expanded Participating Areas of the Dakota Formation on the dates set out below:

1. Director, United States Geological Survey - May 5, 1961.
2. Commissioner of Public Lands of the State  
of New Mexico - April 27, 1961.
3. Oil Conservation Commission of the State  
of New Mexico - April 27, 1961.

A copy of this letter is being sent to the working interest owners in the San Juan 28-5 Unit.

Very truly yours,

*Charles Higgins*  
Charles Higgins  
Area Coordinator  
Land Department

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

*Case 1-53*

April 27, 1961

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

**Re: Third and Fourth Expansions  
of the Dakota Participating  
Area San Juan 28-5 Unit Rio  
Arriba County, New Mexico.**

**Gentlemen:**

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Third and Fourth Expansions of the Dakota Participating Area for the San Juan 28-5 Unit Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Five approved copies of the Expansion are handed to Mr. Harry Gevertz.

Very truly yours,

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

ALP/JEK/ig

**cc: US Geological Survey  
Roswell, New Mexico**

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

C

April 27, 1961

O

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

P

Re: San Juan 28-3 Unit  
Rio Arriba County, New Mexico  
Third and Fourth Expansion  
Dakota Participating Area

Y

Gentlemen:

We are handing to Mr. Harry Coverts six copies of the Third and Fourth Expansion of the Dakota Participating Area for the San Juan 28-3 Unit Area, which was approved by the Commissioner of Public Lands, April 27, 1961.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

ESW/mmr/s  
cc:

US Geological Survey  
Newell, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

APR 26 1961

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

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE THIRD  
AND FOURTH EXPANDED PARTICIPATING AREAS  
OF THE DAKOTA FORMATION  
Effective July 1, 1960 & October 1, 1960

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Third and Fourth Expansions of the Participating Area for the Dakota Formation, to wit:

THIRD EXPANDED PARTICIPATING AREA - Effective July 1, 1960

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 5 West, N.M.P.M.</u>	
Section 28: SW/4	160.00
Section 29: S/2	320.00
Section 30: SE/4	160.00
Section 31: Lots 1,2,3,4, N/2 S/2, NE/4	479.28
Section 32: Lots 1,2,3,4, N/2 S/2, N/2	638.72
Section 33: Lots 3,4, N/2 SW/4, NW/4	321.19

The proposed Third Expanded Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the following described wells are capable of producing unitized substances in paying quantities from the Dakota Formation:

1. The San Juan 28-5 Unit #41 (MD) Well is located 815' from the North line and 1090' from the East line of Section 32, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 2, 1960, and completed on June 30, 1960, at a total depth of 7857'. The Graneros and Dakota Sections of the Dakota Formation in the intervals between 7570' - 7578', 7587' - 7600', 7625' - 7630', 7669' - 7675', 7688' - 7694', 7715' - 7721', 7732' - 7746' were treated with a sand-water fracturing process on June 23, 1960. The Dakota Formation was shut-in for gauge on July 1, 1960, and after being shut-in for seven (7) days, the Dakota Formation was tested on July 8, 1960. Following a three (3) hour blow-down period the Dakota Formation gauged 3783 MCFGPD through a 3/4" choke and 3991 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2582#.
2. The San Juan 28-5 Unit #42 (MD) Well is located 1800' from the South line and 1650' from the West line of Section 31, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 16, 1960, and completed on July 11, 1960, at a total depth of 7632'. The Graneros and Dakota Sections of the Dakota Formation in the intervals between 7376' - 7388', 7402' - 7413', 7482' - 7492', 7528' - 7538', 7556' - 7570' were treated with a sand-water fracturing process on July 3, 1960, and July 4, 1960. The well was completed on July 11, 1960, and the Dakota Formation was shut-in for gauge on July 13, 1960. After being shut-in for twenty-two (22) days, the Dakota Formation was tested on August 4, 1960, and following a three (3) hour blow-down period gauged 7467 MCFGPD through a 3/4" choke and 9226 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2668#.

The San Juan 28-5 Unit #41 (MD) Well was also completed in the Mesaverde Formation and pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, a Notice of Completion of Additional Well was sent by separate letter. The San Juan 28-5 Unit #42 (MD) Well was also completed in the Mesaverde Formation, and pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, a notice of Expansion of the Mesaverde Participating Area was sent by separate letter.

FOURTH EXPANDED PARTICIPATING AREA, Effective October 1, 1960

<u>Description</u>	<u>Acres</u>
<u>Township 28 North, Range 5 West, N.M.P.M.</u>	
Section 20: All	640.00
Section 21: S/2	320.00
Section 27: All	640.00
Section 28: E/2, NW/4	480.00
Section 29: N/2	320.00
Section 33: E/2	325.46
Section 34: All	663.60
Section 35: S/2	361.36

The proposed Fourth Expanded Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the following described well is capable of producing unitized substances in paying quantities from the Dakota Formation.

The San Juan 28-5 Unit #44 (MD) Well is located 840' from the South line and 890' from the West line of Section 27, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 12, 1960, and completed on September 26, 1960, at a total depth of 8195'. The Graneros and Dakota Sections of the Dakota Formation in the intervals between 7812' - 7820', 7906' - 7918', 7964' - 7970', 7976' - 7982', 7994' - 8010', 8120' - 8126' were treated with a sand-water fracturing process on September 16, 1960, and September 18, 1960. The Dakota Formation was shut-in for gauge on September 26, 1960. After being shut-in for fourteen (14) days, the Dakota Formation was tested on October 10, 1960. Following a three (3) hour blow-down period, the Dakota Formation gauged 4500 MCFGPD through a 3/4" choke and 4833 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2700#.

The San Juan 28-5 Unit #44 (MD) Well was also completed in the Mesaverde Formation, and pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, a Notice of Completion of an Additional Well was sent by separate letter.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the unit and the proposed Third and Fourth Expansions of the Dakota Participating Area.

EXHIBIT "B"

Geological Report on the Third and Fourth Expansions of the  
Dakota Participating Area within the San Juan 28-5 Unit.

EXHIBIT "C"

Structural Contour Map.

Attached hereto are Schedules IV and V showing the proposed Third and Fourth Expanded Participating Areas for the Dakota Formation in the San Juan 28-5 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 Third and Fourth 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 and Schedules 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  
Attachments

APPROVED:

Director, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

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

APPROVED:

Ed Johnson Waller  
Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: April 27, 1961

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: April 27, 1961

The foregoing approvals are for the Third and Fourth Expansions of the Participating Area for the Dakota Formation, San Juan 28-5 Unit, #14-08-001-949, Rio Arriba County, New Mexico.



# El Paso Natural Gas Company

El Paso, Texas

March 10, 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  
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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
SECOND EXPANDED PARTICIPATING  
AREA OF THE DAKOTA FORMATION  
Effective December 1, 1959

Gentlemen:

This is to inform you that the Application for Approval of the Second Expanded Participating Area for the Dakota Formation made by El Paso Natural Gas Company, as Unit Operator, for the San Juan 28-5 Unit, #14-08-001-949, was approved by the regulatory bodies on the dates indicated:

1. United States Geological Survey, February 24, 1961
2. Commissioner of Public Lands, January 5, 1961
3. Oil Conservation Commission, January 5, 1961

Copies of this letter and attachment are being sent to the working interest owners of the San Juan 28-5 Unit.

Very truly yours,

*Charles Higgins*

Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:cah

# El Paso Natural Gas Company

El Paso, Texas  
March 2, 1961

*See #553*

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 28-5 Unit Area #14-08-001-949  
Rio Arriba County, New Mexico  
**NOTICE OF APPROVAL OF THE 1961 DRILLING  
PROGRAM**

Gentlemen:

This is to inform you that the 1961 Drilling Program for the San Juan 28-5 Unit Area was approved as follows:

1. Regional Supervisor, United States Geological Survey on February 2, 1961.
2. Commissioner of Public Lands of the State of New Mexico on February 10, 1961.
3. Oil Conservation Commission of the State of New Mexico on February 23, 1961.

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

Very truly yours,

*Charles Higgins*

Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js

**C. L. CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

*Case #553*

**February 23, 1961**

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

**Attention: Mr. Sam Smith**

**Re: 1961 Drilling Program  
San Juan 28-5 Unit  
Rio Arriba County,  
New Mexico.**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1961 Drilling Program for the San Juan 28-5 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: Commissioner of Public Lands - Santa Fe  
US Geological Survey - Roswell**

C  
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Y

In reply refer to:  
Unit Division

February 10, 1961

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

Re: 1961 Drilling Program  
San Juan 28-5 Unit  
Rio Arriba County, New Mexico

Attention: Mr. Sam Smith

Gentlemen:

There being no State land within the boundaries of the San Juan 28-5 Unit Area, the Commissioner of Public Lands herewith approves the 1961 Drilling Program as a matter of record.

We are enclosing two approved copies of the Plan of Development.

Very truly yours,

E. S. JOHNNY WALKER  
Commissioner of Public Lands

ESW/mmr/s

cc: United States Geological Survey  
P. O. Box 6721  
Roswell, New Mexico

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P.O. Box 6721  
Roswell, New Mexico

February 2, 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 28-5 unit area, Rio Arriba County, New Mexico, which proposes the drilling of seven Mesaverde formation wells, has been approved on this date subject to like approval by the appropriate State 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/cy of plan)  
Farmington (w/cy of plan)  
7 NMOCC, Santa Fe (ltr. only)

# El Paso Natural Gas Company

El Paso, Texas

January 31, 1961

Chas # 553

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
TWENTY-FIFTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective December 1, 1960.

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #47-36 Well is located 930' from the North line and 1850' from the East line of Section 36, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on November 5, 1960 and completed on November 21, 1960 at a total depth of 6015'. The Point Look-out Section of the Mesaverde Formation in the intervals between 5792' - 5798', 5804' - 5810', 5820' - 5830', 5852' - 5864', 5880' - 5888', 5898' - 5906', 5936' - 5946' was perforated and treated with a sand-water fracturing process on November 19, 1960. The well was shut-in on November 22, 1960. After being shut-in for seven (7) days, the Mesaverde Formation was tested on November 29, 1960, and following a three (3) hour blow-down period gauged 4036 MCFGPD through a 3/4" choke and 6902 MCFGPD by the calculated absolute open-flow method with an SIPC of 1106# and an SIPT of 1105#. The committed drilling block upon which this well is located is described as the N/2 of Section 36, Township 28 North,

Range 5 West, N.M.P.M., containing 344.74 acres.

2. The San Juan 28-5 Unit #46 (MD) Well is located 1340' from the North line and 2349' from the East line of Section 25, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on October 23, 1960, and completed on November 17, 1960, at a total depth of 6109'. The Point Lookout Section of the Mesaverde Formation at intervals between 5894' - 5904', 5908' - 5916', 5954' - 5964', 5982' - 5986', 5994' - 5998', 6032' - 6038' was treated with a sand-water fracturing process on November 8, 1960. The well was shut-in on November 17, 1960 and after being shut-in for twelve (12) days, the well was tested on November 29, 1960 and following a three (3) hour blow-down period the Mesaverde Formation gauged 1935 MCFGPD through a 3/4" choke and 1999 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1134#. The committed drilling block upon which this well is located is described as the N/2 of Section 25, Township 28 North, Range 5 West, N.M.P.M., containing 344.64 acres.

The foregoing wells are included in the Twenty-Fifth Expanded Participating Area, effective December 1, 1960.

The completion of the San Juan 28-5 Unit #47-36 Well creates one (1) intervening drilling block described as the N/2 of Section 35, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area effective December 1, 1960, and a well must be commenced upon the said drilling block by December 1, 1961.

The completion of the San Juan 28-5 Unit #46 Well creates one (1) intervening drilling block described as the S/2 of Section 25, Township 28 North, Range 5 West, N.M.P.M., containing 344.48 acres. This drilling block is also admitted to the Mesaverde Participating Area effective December 1, 1960 and a well must also be commenced upon this drilling block by December 1, 1961.

Attached is Schedule XXVII showing the Twenty-Fifth Expanded Participating Area for the San Juan 28-5 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, 1960.

Copies of this letter and schedule 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  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:js

cc: Attached list



# El Paso Natural Gas Company

El Paso, Texas

January 6, 1961

1961 JAN 11 AM 11 CT

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1961 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1961 Drilling Program for the San Juan 28-5 Unit #14-08-001-949.

Seven (7) wells were completed in the San Juan 28-5 Unit during the calendar year 1960. Four (4) wells were completed in the Mesaverde Formation only and three (3) wells were dually completed in the Mesaverde and Dakota Formations. Six (6) of the drilling blocks are now or will be included in the Participating Area for the Mesaverde Formation and the three (3) completions in the Dakota Formation will be included in the Participating Area for the Dakota Formation. One of the wells completed in the Mesaverde Formation only is considered to be non-commercial for unit purposes.

Set out immediately below is a recapitulation of the wells that have been completed in the San Juan 28-5 Unit Area:

<u>FORMATION</u>	<u>NO. OF WELLS</u>
Mesaverde only	35
Mesaverde (non-commercial)	2
Dual, Mesaverde-Dakota	<u>6</u>
Total	43

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a drilling program for the calendar year 1961, consisting of six (6) Mesaverde Wells as set out below:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
S/2 Section 22, T-28-N, R-5-W	Mesaverde
N/2 Section 23, T-28-N, R-5-W	Mesaverde
S/2 Section 28, T-28-N, R-5-W	Mesaverde
N/2 Section 31, T-28-N, R-5-W	Mesaverde
N/2 Section 33, T-28-N, R-5-W	Mesaverde
N/2 Section 35, T-28-N, R-5-W	Mesaverde
S/2 Section 25, T-28-N, R-5-W	Mesaverde

El Paso Natural Gas Company intends to drill the 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 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.

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.

All 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

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. Carter, Jr.*  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE: 2.23.61

The foregoing approvals are for the 1961 Drilling Program for the San Juan 28-5  
Unit, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
Working Interest Owners

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. Joe Quinn  
Route 4, Box 4196  
Mesa, Arizona

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

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mrs. Omega E. Quinn  
4127 Hyer, Apt. 44  
Dallas 5, Texas

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

Mr. T. H. McElvain  
220 Shelby St.  
Santa Fe, New Mexico

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

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

Mr. L. O. Speer, Jr.  
Pan American Petroleum Corporation (12)  
P.O. Box 480  
Farmington, New Mexico

American Petrofina Company of Texas  
Post Office Box 2159  
Dallas 21, Texas

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

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

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

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

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

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

Mr. Carl R. McElvain  
309 West Jefferson St.  
Morris, Illinois

Ruth M. Vaughn  
300 Coversham Road  
Bryn Mawr, Pennsylvania

Mr. James A. Brown, Co-Trustee  
for Evelyn Ellen Wallace  
Park Drive South  
Rye, New York

In reply refer to:  
Unit Division

MAIN OFFICE 000

Case # 553

1961 JAN 6 PM 1126

January 5, 1961

El Paso Natural Gas Company  
El Paso, Texas

Re: Second Expansion of the  
Dakota Participating Area,  
San Juan 28-5 Unit, San  
Juan County, New Mexico

Attention: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved the Second Expansion of the Dakota Participating Area for the San Juan 28-5 Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Five approved copies of the application are handed to Mr. Wm. Cheek.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

ESW/mm/s  
cc:

United States Geological Survey  
Roswell, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico

C \_ CONSERVATION COMMISS. N

P. O. BOX 871

SANTA FE, NEW MEXICO

January 5, 1961

*See #553*

El Paso Natural Gas Company  
El Paso, Texas

Attention: Mr. T. W. Bittick

Re: Second Expansion of the  
Dakota Participating Area,  
San Juan 28-5 Unit, San  
Juan County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Second Expansion of the Dakota Participating Area for the San Juan 28-5 Unit, San Juan 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 handed to Mr. Wm. Cheek.

Very truly yours,

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

ALP/JEK/ig

cc: Commissioner of Public Lands  
Santa Fe

United States Geological Survey  
Roswell

C  
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P  
Y

# El Paso Natural Gas Company

El Paso, Texas

December 27, 1960

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
SECOND EXPANDED PARTICIPATING  
AREA OF THE DAKOTA FORMATION  
Effective December 1, 1959

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Second Expansion of the Participating Area for the Dakota Formation, to wit:

SECOND EXPANDED PARTICIPATING AREA - Effective December 1, 1959

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M.	
Section 19: S/2	320.00
Section 30: N/2, SW/4	480.00
Section 31: NW/4	160.00

This proposed Second Expanded Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-5 Unit No. 35 (MD) Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is located in the SW/4 SW/4 of Section 19, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on October 14, 1959 and completed on December 14, 1959 at a total depth of 7955'. The Graneros, upper Dakota and Lower Dakota Sections of the Dakota Formation in the intervals between 7605' - 7614', 7618' - 7626', 7702' - 7710', 7716' - 7722', 7772' - 7780', 7790' - 7804' were treated with a sand-oil fracturing process on October 29, 1959, December 2, 1959 and December 4, 1959. The Dakota Formation was shut-in on December 14, 1959, and after being shut-in for seven (7) days, the Dakota Formation was tested on December 21, 1959, and following a three (3) hour blow-down period gauged 4247 MCFGPD through a 3/4" choke and 4687 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2098#.

The San Juan 28-5 Unit No. 35 (MD) Well was also completed in the Mesa-verde Formation, and pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, a Notice of Completion of Additional Well has been sent by separate letter.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the unit and the proposed Second Expansion of the Dakota Participating Area.

EXHIBIT "B"

Geological Report on the Second Expansion of Dakota Participating Area within the San Juan 28-5 Unit.

EXHIBIT "C"

Structural Contour Map.

Attached hereto is Schedule III showing the proposed Second Expanded Participating Area for the Dakota Formation in the San Juan 28-5 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 Second 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  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:cah

APPROVED: \_\_\_\_\_

Director, 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: 1-5-61

The foregoing approvals are for the Second Expansion of the Participating Area for the Dakota Formation, San Juan 28-5 Unit, No. 14-08-001-949, Rio Arriba County, New Mexico.

# El Paso Natural Gas Company

El Paso, Texas

1960 DEC 17 PM 1 22

December 8, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

*See 132*

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
& TWENTY-FOURTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective November 1, 1960

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #44 (MD) Well is located 840' from the South line and 890' from the West line of Section 27, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 12, 1960 and completed on September 26, 1960 at a total depth of 8195'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5762' - 5768', 5834' - 5842', 5856' - 5863', 5868' - 5874', 5880' - 5885', 5898' - 5904' was perforated and treated with a sand-water fracturing process on September 21, 1960. The well was shut-in on September 26, 1960. After being shut-in for twenty-nine (29) days, the Mesaverde Formation was tested on October 25, 1960, and following a three (3) hour blow-down period gauged 2777 MCFGPD through a 3/4" choke and 3693 MCFGPD by the calculated absolute open-flow method with an SIPC of 1055# and an SIPT of 1055#. The committed drilling block upon which this well is located is described as the S/2 of Section 27, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Twenty-First Expanded Participating Area for the Mesaverde Formation, as an intervening drilling block, effective July 1, 1960.

The completion of the San Juan 28-5 Unit #44 (MD) Well creates one (1) intervening drilling block described as the S/2 of Section 28, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area effective November 1, 1960, and a well must be commenced upon the said drilling block by November 1, 1961.

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, the Dakota Formation in which the San Juan 28-5 Unit #44 (MD) Well was also completed will be expanded to include the lands that have been proven productive by said well.

Attached is Schedule XXVI showing the Twenty-Fourth Expanded Participating Area for the San Juan 28-5 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 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

MAILED 1000  
1960 NOV 15 AM 11 15

November 10, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

*Case #553*

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE INITIAL  
AND FIRST EXPANSION OF THE PARTICIPATING  
AREA FOR THE DAKOTA FORMATION

Gentlemen:

This letter is to inform you that the Initial Participating Area, effective June 22, 1959, and the First Expanded Participating Area, effective August 1, 1959, of the Dakota Formation in and under the San Juan 28-5 Unit have been approved by the regulatory bodies on the dates set out below:

1. Acting Director, United States Geological Survey,  
October 27, 1960
2. Commissioner of Public Lands, September 28, 1960
3. Oil Conservation Commission, September 28, 1960

A xeroxed copy of the approved expansions and Schedules I and II which set out the ownership of the lands within the Participating Area are enclosed herewith.

Copies of this letter are being sent to the working interest owners of the San Juan 28-5 Unit.

Very truly yours,

*Charles Higgins*

Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:cah

# El Paso Natural Gas Company

El Paso, Texas

RECEIVED OCT 10 1960 32

October 5, 1960

Case #553

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
& TWENTY-THIRD EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective September 1, 1960

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #42 (MD) Well is located 1800' from the South line and 1650' from the West line of Section 31, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 16, 1960 and completed on July 11, 1960 at a total depth of 7632'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 4976' - 4992', 5004' - 5014', 5356' - 5364', 5370' - 5374', 5380' - 5386', 5390' - 5398', 5408' - 5414', 5420' - 5426', 5440' - 5450' were perforated and treated with a sand-water fracturing process on July 6, 1960. The well was shut-in on July 13, 1960. After being shut-in for forty-three (43) days, the Mesaverde Formation was tested on August 25, 1960, and following a three (3) hour blow-down period gauged 4210 MCFGPD through a 3/4" choke and 7,452 MCFGPD by the calculated absolute open-flow method with an SIPC of 1158# and

an SIPT of 1160#. The committed drilling block upon which this well is located is described as the S/2 of Section 31, Township 28 North, Range 5 West, N.M.P.M., containing 319.28 acres.

The foregoing drilling block is being included in the Twenty-Third Expanded Participating Area of the Mesaverde Formation, effective September 1, 1960.

The San Juan 28-5 Unit #39 Well is located 790' from the North line and 790' from the East line of Section 24, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on June 30, 1960, and completed on July 30, 1960, at a total depth of 6783'. The Point Lookout Section of the Mesaverde Formation in the intervals between 6496' - 6508', 6538' - 6554', 6572' - 6580', 6584' - 6590', 6614' - 6620', 6626' - 6632', 6640' - 6646', 6674' - 6684' was perforated and treated with a sand-water fracturing process on July 28, 1960. The well was shut-in on July 30, 1960, and after being shut-in for nineteen (19) days, the well was tested on August 18, 1960, and following a three (3) hour blow-down period gauged 2800 MCFGPD through a 3/4" choke, and 3653 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1148# and an SIPT of 1148#. The committed drilling block upon which this well is located is described as the N/2 of Section 24, Township 28 North, Range 5 West, N.M.P.M., containing 343.91 acres.

The foregoing drilling block was included in the Twentieth Expanded Participating Area, effective July 1, 1959, as an intervening drilling block.

The completion of the San Juan 28-5 Unit #42 (MD) Well creates one (1) intervening drilling block described as the N/2 of Section 31, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area effective September 1, 1960, and a well must be commenced upon the said drilling block by September 1, 1961.

The completion of the San Juan 28-5 Unit #39 Well creates one (1) intervening drilling block described as the N/2 of Section 23, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area, effective September 1, 1960 and a well must be commenced on this drilling block by September 1, 1961.

Pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, the Dakota Formation in which the San Juan 28-5 Unit #42 Well was also completed will be expanded to include the lands that have been proven productive by said well.

Attached is Schedule XXV showing the Twenty-Third Expanded Participating Area for the San Juan 28-5 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 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



O CONSERVATION COMMISSIC

P. O. BOX 871

SANTA FE, NEW MEXICO

*4/22 \* 553*

September 28, 1960

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

O ATTENTION: Mr. T. W. Bittick

RE: Initial and First Expansion  
Dakota Participating Area  
San Juan 28-5 Unit Rio Arriba  
County, New Mexico.

P Gentlemen:

Y This is to advise that the New Mexico Oil Conservation Commis-  
sion has this date approved the Initial and First Expansion of the  
Participating Area for the Dakota Formation for the San Juan 28-5  
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.

Eight approved copies of the application are handed to Mr. Gordon  
W. O'Neal.

Very truly yours,

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

ALP/JEK/ig

cc: US Geological Survey - Roswell, New Mexico  
Commissioner of Public Lands - Santa Fe, New Mexico

In reply refer to:  
Unit Division

September 28, 1960

Case #553

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

ATTENTION: Mr. T. W. Bittick

Re: Initial and First Expansion  
Dakota Participating Area  
San Juan 28-5 Unit Rio Arriba  
County, New Mexico.

Gentlemen:

The Commissioner of Public Lands has of this date approved your Initial and First Expansion of the Participating Area for the Dakota Formation for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Seven approved copies of the application are handed to Mr. Gordon W. O'Neal.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/mm/s

cc:

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

# El Paso Natural Gas Company

El Paso, Texas

September 22, 1960

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
INITIAL AND FIRST EXPANSION OF THE  
PARTICIPATING AREA FOR THE DAKOTA  
FORMATION

Gentlemen:

Pursuant to the provisions of Section 11 (b) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Initial and First Expansions of the Participating Area for the Dakota Formation, to wit:

INITIAL PARTICIPATING AREA - Effective June 22, 1959

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M. Section 17: All	640.00

This proposed Initial Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-5 Unit No. 33-17 (MD) Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is located in the NW/4 SW/4 of Section 17, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on March 26, 1959 and completed on June 9, 1959 at a total depth of 8174'. After being shut-in for thirteen (13) days, the Dakota Formation was tested on June 22, 1959, and following a three (3) hour blow-down period gauged 5518 MCFGPD through a 3/4" choke and 6187 MCFGPD by the calculated absolute open-flow method with an SIPT of 2711#.

FIRST EXPANDED PARTICIPATING AREA - Effective August 1, 1959

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 5 West, N.M.P.M.	
Section 18: All	640.00
Section 19: N/2	320.00

This proposed First Expanded Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-5 Unit No. 34-18 (MD) Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is located in the SW/4 SW/4 of Section 18, Township 28 North, Range 5 West, N.M.P.M. Said well was spudded on March 18, 1959 and completed on July 22, 1959 at a total depth of 7981'. After being shut-in for nine (9) days, the Dakota Formation was tested on August 5, 1959, and following a three (3) hour blow-down period gauged 4817 MCFGPD through a 3/4" choke and 5279 MCFGPD by the calculated absolute open-flow method with an SIPT of 2651#.

The San Juan 28-5 Unit No. 33-17 (MD) Well and the San Juan 28-5 Unit No. 34-18 (MD) Well were also completed in the Mesaverde Formation, and pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement, Notices of Completion of Additional Wells have been submitted.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the unit and the proposed Initial and First Expansions of the Dakota Participating Area.

EXHIBIT "B"

Geological Report on the Initial Dakota Participating Area and First Expansion of Dakota Participating Area within the San Juan 28-5 Unit.

EXHIBIT "C"

Structural Contour Map

Attached hereto are Schedules I and II showing the proposed Initial and First Expanded Participating Areas for the Dakota Formation in the San Juan 28-5 Unit Area. These Schedules describe the Expanded Participating Area, show the percentage of unitized substances allocated to each unitized tract, and the percentages of ownership in each tract.

If this Initial and First 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  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:pc

APPROVED: \_\_\_\_\_  
Director, 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 2  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: 9.28.60

The foregoing approvals are for the Initial and First Expansion of the Participating Area for the Dakota Formation, San Juan 28-5 Unit, No. 14-08-001-949, Rio Arriba County, New Mexico.

# El Paso Natural Gas Company

El Paso, Texas

1960 SEP 19 AM 3:24

September 14, 1960

*Case # 223*

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
**NOTICE OF COMPLETION OF ADDITIONAL  
WELL and TWENTY-SECOND EXPANDED  
PARTICIPATING AREA, Mesaverde For-  
mation, Effective August 1, 1960**

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #41 (MD) Well is located 815' from the North line and 1090' from the East line of Section 32, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 2, 1960 and completed on June 2, 1960 at a total depth of 7857'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 5147' - 5156', 5177' - 5183', 5196' - 5200', 5536' - 5546', 5552' - 5560', 5574' - 5580', 5586' - 5590', 5598' - 5608', 5614' - 5619', 5644' - 5650' was perforated and treated with a sand-water fracturing process on June 26, 1960. The Well was shut-in on July 1, 1960 and the Mesaverde Formation was re-shut-in on July 8, 1960. After being shut-in for seven (7) days, the Mesaverde Formation was tested on July 15, 1960 and following a three (3) hour blow-down period, gauged 7,654 MCFGPD through a 3/4" choke and 11,190 MCFGPD by the calculated absolute open-flow method with an SIPC of

1058# and an SIPT of 1058#. The committed drilling block upon which this well is located is described as the N/2 of Section 32, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing drilling block was included in the Eighteenth Expanded Participating Area of the Mesaverde Formation, effective May 1, 1959 as an intervening drilling block.

The completion of the San Juan 28-5 Unit #41 (MD) Well creates one (1) intervening drilling block described as the N/2 of Section 33, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area effective August 1, 1960, and a well must be commenced upon the said drilling block by August 1, 1961.

Pursuant to Section 11(b) of San Juan 28-5 Unit Agreement #14-08-001-949 the Dakota Formation in which the San Juan 28-5 Unit #41 Well was also completed will be expanded to include the lands that have been proven productive by said well.

Attached is Schedule XXIV showing the Twenty-Second Expanded Participating Area for the San Juan 28-5 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, 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:js

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

August 1, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL AND  
TWENTY-FIRST EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective July 1, 1960

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #40 Well is located 1150' from the North line and 2000' from the East line of Section 27, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 12, 1960, and completed on May 30, 1960, at a total depth of 6168'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5954' - 5960', 5970' - 5974', 5980' - 5986', 5998' - 6010', 6026' - 6034', 6040' - 6048', 6052' - 6058', 6080' - 6090' was perforated and treated with a sand-water fracturing process on May 27, 1960. The well was shut-in on May 31, 1960, and after being shut-in for sixteen (16) days, the well was tested on June 16, 1960, and following a three (3) hour blow-down period gauged 3865 MCFGPD through a 3/4" choke, and 6524 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1093# and an SIPT of 1093#. The committed drilling block upon which this well is located is described as the N/2 of Section 27, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.



The foregoing drilling block was included in the Nineteenth Expanded Participating Area of the Mesaverde Formation effective June 1, 1959 as an intervening drilling block.


The completion of the San Juan 28-5 Unit #40 Well creates two (2) intervening drilling blocks described as the S/2 of Section 22, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres, and the S/2 of Section 27, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. These drilling blocks are admitted to the Mesaverde Participating Area effective July 1, 1960, and a well must be commenced upon each of the said drilling blocks by July 1, 1961.

Attached is Schedule XXIII showing the Twenty-First Expanded Participating Area for the San Juan 28-5 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 owner-ships 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, 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  
Assistant Manager  
Land Department

TWB:GWO:ch

# El Paso Natural Gas Company

MAIL OFFICE COC

El Paso, Texas

1960 JUL 1 PM 1:13 June 27, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

*Case # 253*

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 28-5 Unit Area #14-08-001-949  
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 28-5 Unit Area was approved as follows:

1. Regional Supervisor, United States Geological Survey  
on April 4, 1960.
2. Commissioner of Public Lands of the State of New Mexico  
on February 4, 1960.
3. Oil Conservation Commission of the State of New Mexico  
on June 23, 1960.

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

Very truly yours,

*Charles Higgins*

Charles Higgins  
Area Coordinator  
Land Department

CH:GWO:js

Attachment

WORKING INTEREST OWNERS

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
150 Wildwood Way  
Woodside, California

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

SAN JUAN 28-5 UNIT

Mr. J. William McElvain  
310 E. Jefferson Street  
Morris, Illinois

Mr. L. O. Speer, Jr. (12)  
Pan American Petroleum Corp.  
Post Office Box 480  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace,  
Co-Trustee for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

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

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

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

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
201 N. Orchard Avenue  
Farmington, New Mexico

Mr. Carl R. McElvain  
309 W. Jefferson Street  
Morris, Illinois

Ruth M. Vaughn  
300 Coversham Road  
Byrn Mawr, Pennsylvania

( ) CONSERVATION COMMISSION I

P. O. BOX 871

SANTA FE, NEW MEXICO

June 23, 1960

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

O  
ATTENTION: Mr. Sam Smith

RE: 1960 Plan of Development  
San Juan 28--5 Unit Rio  
Arriba County, New Mexico.

P  
Gentlemen:

Y  
This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1960 Plan of Development for the San Juan 28-5 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

State Land Office - Santa Fe

# El Paso Natural Gas Company

El Paso, Texas

April 22, 1960

Case # 553

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL,  
MESAVERDE FORMATION

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #35-19 (MD) Well is located 990' from the South line and 990' from the West line of Section 19, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on October 14, 1959, and completed on December 14, 1959, at a total depth of 7955'. The Cliff House section of the Mesaverde Formation in the intervals between 5138'-5144'; 5148'-5160'; 5164'-5172'; 5176'-5182'; 5190'-5196'; 5202'-5210'; 5296'-5300' was treated with a sand-water fracturing process on December 9, 1959. The point lookout section of the Mesaverde Formation in the intervals between 5526'-5540'; 5580'-5590'; 5592'-5610'; 5616'-5622'; 5628'-5634'; 5638'-5656'; 5664'-5676'; 5686'-5692'; 5698'-5701'; 5704'-5716'; 5724'-5730' was also treated with a sand-water fracturing process on December 9, 1959. The Mesaverde Formation was re-shut-in on February 23, 1960 and after being shut-in for twenty-seven (27) days, the Mesaverde Formation was tested on March 21, 1960, and following a three (3)

hour blow-down period gauged 7,605 MCFGPD through a 3/4" choke and 10,571 MCFGPD by the calculated absolute open-flow method, with a SIPC of 1087# and a SIPT of 1087#. The committed drilling block upon which this well is located is described as the S/2 of Section 19, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Unit Seventeenth Expanded Participating Area of the Mesaverde Formation, effective December 1, 1958, as an intervening drilling block. Therefore, the participating area is not enlarged.

The San Juan 28-5 Unit #35-19 Well was also completed in the Dakota Formation and pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved effective August 25, 1953, the Participating Area for the Dakota Formation will be expanded 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  
Charles Higgins  
Area Landman  
Land Department

CH:GWO:js

cc: Attached List

**WORKING INTEREST OWNERS**  
**SAN JUAN 28-5 UNIT**

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
150 Wildwood Way  
Woodside, California

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. William McElvain  
310 E. Jefferson Street  
Morris, Illinois

Mr. L. O. Speer, Jr. (12)  
Pam American Petroleum Corp.  
Post Office Box 487  
Farmington, New Mexico

Mrs. Evelyn Ellen Wallace,  
Co-Trustee for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

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

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

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

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
329 Flint Street  
Reno, Nevada

Mr. Carl R. McElvain  
309 W. Jefferson Street  
Morris, Illinois

Ruth M. Vaughn  
300 Coversham Road  
Bryon Mawr, Pennsylvania

P. O. Box 6721  
Roswell, New Mexico

April 4, 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 28-5 unit area, No. 14-08-001-949, Rio Arriba County, New Mexico, which proposes the drilling of three Mesaverde formation wells, and three Dakota wells to be dually completed in the Mesaverde and Dakota formations, has been approved on this date subject to like approval by the appropriate State Officials. Please furnish us with suitable evidence of State approval.

Three of these wells will be drilled on intervening blocks. Two wells will be offsets to prevent unit drainage.

Two approved copies of the plan are enclosed.

Very truly yours,

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Enclosures

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



# *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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1960 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1960 Drilling Program for the San Juan 28-5 Unit #14-08-001-949.

The Drilling Program for the San Juan 28-5 Unit for the calendar year 1959 was comprised of five (5) wells that were to be drilled to the Mesaverde Formation and one (1) well that possibly would be dually completed in the Pictured Cliffs and Mesaverde Formations. Three (3) of the foregoing wells were completed in both the Mesaverde and Dakota Formations and the remaining three (3) wells were drilled to the Mesaverde Formation only. The Mesaverde drilling blocks of the three wells that were dually completed in the Mesaverde and Dakota Formations were intervening drilling blocks that were in the Mesaverde Participating Area, and the three remaining Mesaverde drilling blocks have been admitted to the Mesaverde Participating Area. The three wells completed in both the Mesaverde and Dakota Formations are capable of producing unitized substances in paying quantities from the Dakota Formation and a proposed Initial and First Expanded Participating Area for the Dakota Formation will be submitted for approval in the near future.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a drilling program for the calendar year 1960, consisting of three (3) Mesaverde wells and three (3) dual Mesaverde-Dakota wells as set out below:

### DRILLING BLOCK

### FORMATION

N/2 Section 24, T-28-N, R-5-W	Mesaverde
N/2 Section 27, T-28-N, R-5-W	Mesaverde-Dakota
N/2 Section 32, T-28-N, R-5-W	Mesaverde-Dakota
S/2 Section 31, T-28-N, R-5-W	Mesaverde-Dakota
S/2 Section 25, T-28-N, R-5-W	Mesaverde
S/2 Section 27, T-28-N, R-5-W	Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed 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 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 the above mentioned Mesaverde-Dakota dual wells to the base of the Dakota Formation using rotary tools. Surface casing of 13-3/8" will be set to the depth of approximately 150' and an intermediate string of 9-5/8" will be run through the Pictured Cliffs Formation to a depth of approximately 3200', and then Operator will run a production string of either 5-1/2" or 7" casing 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 2" tubing with the Dakota producing through the tubing and the Mesaverde producing through the casing.

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.

All 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:pc

Attachment

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. Porter, Jr.  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: 6.23.60

The foregoing approvals are for the 1960 Drilling Program for the San Juan 28-5  
Unit, Rio Arriba County, New Mexico.

San Juan 28-5 Unit  
Working Interest Owners

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
935 Chiltun Road  
Hillsborough, California

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. Wm. McElvain  
310 E. Jefferson St.  
Morris, Ill.

Mr. J. L. Hoyt, Jr. (12)  
Pan American Petroleum Corp.  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corp.  
Post Office Box 487  
Farmington, New Mexico

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corp.  
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

American Petrofina Company of Texas  
Post Office Box 2159  
Dallas 21, Texas

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. J. R. Abercrombie  
Post Office Box 224  
Bellaire, Texas

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
Cal-Va-Rodo Motel  
Box 53  
State Line, California

Mr. Carl R. McElvain  
309 W. Jefferson St.  
Morris, Ill.

Ruth M. Vaughn  
300 Caversham Rd.  
Bryn Mawr, Pa.

# El Paso Natural Gas Company

MAIN OFFICE 900

El Paso, Texas

October 19, 1959 OCT 20 AM 11:24

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, Number 14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on May 21, 1958, 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 28-5 Unit #33-17 (MD) Well is located 1650' from the South line and 960' from the West line of Section 17, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 26, 1959, and completed on June 9, 1959, at a total depth of 8174'. The Cliff House, Menefee and Point Lookout Sections of the Mesaverde Formation at intervals between 5361' to 5892' were shot and treated with a hydro-fracturing process on June 8, 1959. After being shut-in for gauge for twenty (20) days, the Mesaverde Formation of the well was tested on June 29, 1959 and following a three (3) hour blow-down period the Mesaverde Formation gauged 4316 MCFGPD through a 3/4" choke, and 4761 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1102#. The committed drilling block upon which this well is located is described as the S/2 of Section 17, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Fourteenth Expanded Participating Area of the Mesaverde Formation, effective April 1, 1959, as an intervening drilling block. Therefore, the participating area is not enlarged.

The San Juan 28-5 Unit #33-17 (MD) Well was also completed in the Dakota Formation and pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement Number 14-08-001-949, approved effective August 25, 1953, an Initial Participating Area will be established for this horizon by separate letter.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Harry Gevertz  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:pc

cc: Attached List

**San Juan 20-5 Unit**  
**Working Interest Owners**

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
935 Chiltun Road  
Hillsborough, California

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. Wm. McElvain  
310 E. Jefferson St.  
Morris, Ill.

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. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corp.  
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

American Petrofina Company of Texas  
Post Office Box 2159  
Dallas 21, Texas

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. J. R. Abercrombie  
Post Office Box 224  
Bellaire, Texas

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada

Mr. Carl R. McElvain  
309 W. Jefferson St.  
Morris, Ill.

Ruth M. Vaughn  
300 Caversham Rd.  
Bryn Mawr, Pa.



# El Paso Natural Gas Company

MAIL OFFICE OCC

El Paso, Texas

OCT 19 1959  
October 19, 1959

60-553

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
**NOTICE OF COMPLETION OF ADDITIONAL WELL,  
MESAVERDE FORMATION**

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 Mesa-verde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-5 Unit #34-18 (MD) Well is located 990' from the South line and 990' from the West line of Section 18, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 18, 1959, and completed on July 27, 1959, at a total depth of 7981'. The Cliff House, Menefee and Point Lookout Sections of the Mesaverde Formation at intervals between 5152' - 5686' were shot and treated with a hydro-fracturing process on July 27, 1959. After being shut-in for fourteen (14) days, the well was tested on August 12, 1959, and following a three (3) hour blow-down period gauged 2549 MCFGPD through a 3/4" choke and 2644 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1100#. The committed drilling block upon which this well is located is described as the S/2 of Section 18, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Unit Fourteenth Expanded Participating Area of the Mesaverde Formation, effective April 1, 1958, as an intervening drilling block. Therefore, the participating area is not enlarged.

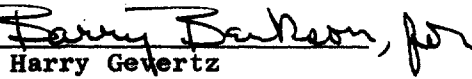
The San Juan 28-5 Unit #34-18 Well was also completed in the Dakota Formation and pursuant to Section 11(b) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved effective August 25, 1953, an initial participating area will be established for this horizon by separate letter.

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:nl

cc: Attached List

**WORKING INTEREST OWNERS**  
**SAN JUAN 28-5 UNIT**

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
935 Chiltorn Road  
Hillsborough, California

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mrs. Omega E. Quinn  
4105 Emerson, Apt. 11  
Dallas, Texas

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

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

Mrs. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. William McElvain  
310 E. Jefferson Street  
Morris, Illinois

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. R. N. Richey  
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

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

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

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

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

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
Cal-Va-Rodo Motel, Box 53  
State Line, California

Mr. Carl R. McElvain  
309 W. Jefferson Street  
Morris, Illinois

Ruth M. Vaughn  
300 Coversham Road  
Bryn Mawr, Pennsylvania

*El Paso Natural Gas Company*  
MAIN OFFICE OCC

*El Paso, Texas*

1959 JUL 17 AM 8:39

July 10, 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 553*

Re: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
TWENTIETH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective July 1, 1959

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #37 Well is located 1650' from the South line and 800' from the West line of Section 24, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on April 29, 1959, and completed on May 21, 1959, at a total depth of 6662'. The Point Lookout Section of the Mesaverde Formation in the intervals between 6394' - 6404', 6440' - 6448', 6460' - 6472', 6494' - 6502', 6514' - 6526', 6560' - 6570' was perforated and treated with a sand-water fracturing process on May 18, 1959. After being shut-in for twelve (12) days, the well was tested on June 2, 1959, and following a three (3) hour blow-down period gauged 2859 MCFGPD through a 3/4" choke and 3967 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1093# and an SIPT of 1093#. The committed drilling block upon which this well is located is described as the S/2 of Section 24, Township 28 North, Range 5 West, N.M.P.M., containing 344.45 acres.

The foregoing well is being included in the Twentieth Expanded Participating Area of the Mesaverde Formation effective July 1, 1959.

The completion of the San Juan 28-5 Unit #37 Well creates one (1) intervening drilling block described as the N/2 of Section 24, Township 28 North, Range 5 West, N.M.P.M., containing 343.91 acres. This drilling block is admitted to the Mesaverde Participating Area effective July 1, 1959, and a well must be commenced upon said drilling block by July 1, 1960.


Attached is Schedule XXII showing the Twentieth Expanded Participating Area for the San Juan 28-5 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, 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

El Paso, Texas

June 19, 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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
NINETEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective June 1, 1959

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #36 Well is located 1500' from the North line and 1500' from the East line of Section 26, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on April 3, 1959, and completed on April 25, 1959, at a total depth of 6536'. The Point Lookout Section of the Mesaverde Formation in the intervals between 6294' - 6304'; 6312' - 6322'; 6340' - 6350'; 6356' - 6370'; 6401' - 6425'; 6439' - 6449' was perforated and treated with a sand-water fracturing process on April 23, 1959. After being shut-in for ten (10) days, the well was tested on May 5, 1959, and following a three (3) hour blow-down period gauged 2573 MCFGPD through a 3/4" choke and 3274 MCFGPD by the calculated absolute open-flow method with an SIPC of 1087# and an SIPT of 1086#. The committed drilling block upon which this well is located is described as the N/2 of Section 26, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing well is being included in the Nineteenth Expanded Participating Area of the Mesaverde Formation effective June 1, 1959.

The completion of the San Juan 28-5 Unit #36 Well creates one intervening drilling block described as the N/2 of Section 27, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area, effective June 1, 1959, and a well must be commenced on said drilling block by June 1, 1960.

Attached is Schedule XXI showing the Nineteenth Expanded Participating Area for the San Juan 28-5 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, 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:ic  
Attachment

El Paso Natural Gas Company

1959 JUN 10 AM 8:03 El Paso, Texas

May 28, 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  
553

Re: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
**EIGHTEENTH EXPANDED PARTICIPATING AREA**  
Mesaverde Formation  
Effective May 1, 1959

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #38 Well is located 990' from the South line and 990' from the West line of Section 32, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 30, 1959, and completed on April 15, 1959, at a total depth of 5766'. The Menefee and Point Lookout Sections of the Mesaverde Formation in the intervals between 5216' - 5228'; 5588' - 5598'; 5604' - 5618'; 5630' - 5640'; 5658' - 5672'; 5680' - 5690', were perforated and treated with a sand-water fracturing process on April 11, 1959, and April 12, 1959. After being shut-in for seven (7) days, the well was tested on April 22, 1959, and following a three (3) hour blow-down period gauged 4540 MCFGPD through a 3/4" choke and 10,941 MCFGPD by the calculated absolute open-flow method with an SIPC of 1053# and an SIPT 1049#. The committed drilling block upon which this well is located is described as the S/2 of Section 32, Township 28 North, Range 5 West, N.M.P.M., containing 318.72 acres.



The foregoing well is being included in the Eighteenth Expanded Participating Area of the Mesaverde Formation effective May 1, 1959.

The completion of the San Juan 28-5 Unit #38 Well creates one intervening drilling block described as the N/2 of Section 32, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area, effective May 1, 1959, and a well must be commenced on said drilling block by May 1, 1960.

Attached is Schedule XX showing the Eighteenth Expanded Participating Area for the San Juan 28-5 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  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:ic  
Attachment

# El Paso Natural Gas Company

El Paso, Texas

March 5, 1959

File  
553

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

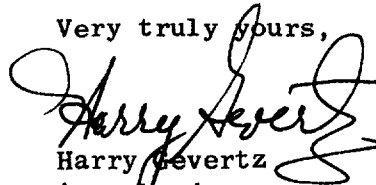
Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico

Gentlemen:

We transmit herewith one (1) duplicate original of a Ratification and Joinder of Unit Agreement, executed by Mr. M. J. Florance, whereby he commits his royalty interest to the San Juan 28-5 Unit Agreement.

If you find the enclosed Ratification and Joinder of Unit Agreement to be in order, we respectfully request that you process the agreement so that this interest will be effectively committed to the San Juan 28-5 Unit Agreement.

Very truly yours,

  
Harry Severtz  
Area Landman  
Land Department

HG:GWO:ch

NM 4843

RATIFICATION AND JOINDER OF UNIT AGREEMENT


In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (which-ever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

P. O. Box 1285  
Durango, Colorado

  
M. J. FLORANCE

Date: \_\_\_\_\_

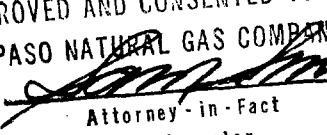
\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

APPROVED AND CONSENTED TO:  
EL PASO NATURAL GAS COMPANY  
BY   
Attorney-in-Fact  
Unit Operator

and Working Interest Owner

夏夏夏

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_

President of

Notary Public

黃黃黃

The foregoing instrument was acknowledged before me this 26th day of

Notary Public

My Commission Expires Nov. 6, 1962

養  
養  
養

The foregoing instrument was acknowledged before me this 22 day of March, 1958, by Sam Smith, as

*Mattie Taylor*  
**MATLIE TAYLOR**  
 Notary Public in and for El Paso County, Texas  
 My Commission Expires June 1, 1959.

My Commission Expires June 1, 1959.

# El Paso Natural Gas Company

El Paso, Texas

February 11, 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 28-5 Unit Area #14-08-001-949  
Rio Arriba County, New Mexico  
Notice of Approval of the 1959  
Drilling Program

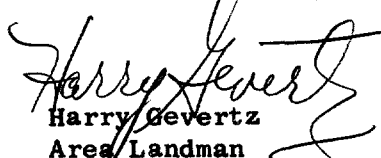
Gentlemen:

This is to advise you that the 1959 Drilling Program for the San Juan 28-5 Unit Area was approved as follows:

1. Regional Supervisor, United States Geological Survey  
on February 6, 1959.
2. Commissioner of Public Lands of the State of New Mexico  
on February 4, 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 as shown on the attached sheet.

Very truly yours,

  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:n1  
Attachment

**SAN JUAN 28-5 UNIT**  
**WORKING INTEREST OWNERS**

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Mr. Joe Quinn  
Box 72, Route 4  
Mesa, Arizona

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

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

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. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth 1, Texas

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, New Mexico

Mr. R. N. Richey (2)  
Mr. M. J. Jordan (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City 10, Utah

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas 21, Texas

Mr. Thomas F. Harrington  
935 Chiltun Road  
Hillsborough, California

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
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. Robert P. Tinnin  
P. O. Box 896  
Albuquerque, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada

Mrs. Evelyn Ellen Wallace  
Co-Trustee for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# El Paso Natural Gas Company

El Paso, Texas

February 4, 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

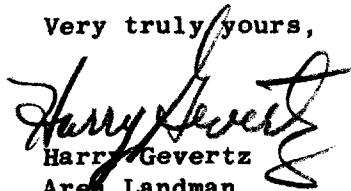
Re: San Juan 28-5 Unit  
EXHIBIT "B"  
Rio Arriba County, New Mexico

Gentlemen:

Attached for your information and files please find a Revision of the Exhibit "B" for the San Juan 28-5 Unit Area, effective November 1, 1958.

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

Very truly yours,

  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:ch  
Attachment

**SAN JUAN 28-5 UNIT**  
**WORKING INTEREST OWNERS**

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

American Petrofina Company of Texas  
Post Office Box 2159  
Dallas 21, Texas

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1010 North Dustin  
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220 Shelby Street  
Santa Fe, New Mexico

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Scarsdale, New York

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

Mrs. Omega E. Quinn  
3592 F Inwood Road  
Dallas 9, Texas

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

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for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, 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

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. J. R. Abercrombie  
Post Office Box 224  
Bellaire, Texas

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada



RECEIVED  
BUREAU OF LAND MANAGEMENT

1959 FEB 10 AM 9:55

P. O. Box 6721  
Roswell, New Mexico

SANTA FE, NEW MEXICO

February 3, 1959

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1959 Plan of Development dated January 2, 1959, for the San Juan 28-5 unit area No. 14-08-001-949 Rio Arriba County, New Mexico proposing the drilling of six Mesaverde wells, one of which may be a dual completion of the Pictured Cliffs and Mesaverde 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,

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

File  
5

January 26, 1959

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

ATTENTION: Mr. Sam Smith

Re: 1959 Drilling Program  
San Juan 28-5 Unit  
Rio Arriba County,  
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1959 Drilling Program for the San Juan 28-5 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/pj

cc: State Land Office - Santa Fe  
US Geological Survey - Roswell

# El Paso Natural Gas Company

El Paso, Texas

January 19, 1959

File  
553

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
SEVENTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective December 1, 1958

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #32 Well is located 1650' from the North line and 1650' from the East line of Section 30, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on October 6, 1958 and completed on October 22, 1958 at a total depth of 5810'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5546' - 5564', 5584' - 5608', 5624' - 5636', 5640' - 5648', 5684' - 5690', 5708' - 5718', was perforated and treated with a sand-water fracturing process on October 19, 1958. After being shut-in for thirteen (13) days, the well was tested on November 4, 1958, and following a three (3) hour blow-down period gauged 4105 MCFGPD through a 3/4" choke and 7159 MCFGPD by the calculated absolute open-flow method with an SIPC of 1095# and an SIPT of 1097#. The committed drilling block upon which this well is located is described as the N/2 of Section 30, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing well is being included in the Seventeenth Expanded Participating Area of the Mesaverde Formation effective December 1, 1958.

The completion of the San Juan 28-5 Unit #32 Well creates one intervening drilling block described as the S/2 of Section 19, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area, effective December 1, 1958 and a well must be commenced on said drilling block by December 1, 1959.

Attached is Schedule XIX showing the Seventeenth Expanded Participating Area for the San Juan 28-5 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, 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:nl  
Attachment

# El Paso Natural Gas Company

El Paso, Texas 1

January 8, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

File  
553

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 28-5 Unit #14-08-001-949  
REVISED FOURTEENTH, FIFTEENTH and  
SIXTEENTH EXPANDED PARTICIPATING AREAS  
Mesaverde Formation  
Effective August 1, 1958, September 1,  
1958, and October 1, 1958, respectively

Gentlemen:

You will find enclosed herewith corrected Page 7 of Schedule XVI for the Revised Fourteenth Expanded Participating Area, effective August 1, 1958, corrected Pages 7 and 8 of Schedule XVII for the Fifteenth Expanded Participating Area, effective September 1, 1958, and corrected Page 9 of Schedule XVIII for the Sixteenth Expanded Participating Area, effective October 1, 1958, all for the Mesaverde Formation of the San Juan 28-5 Unit Area.

Since the corrected pages correct only descriptions of the drilling blocks, the percentages set out remain unchanged.

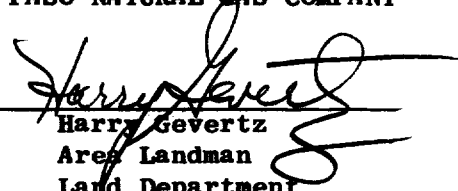
It is requested that you insert the corrected pages in the respective Schedules after you have removed and destroyed the original pages.

Copies of this letter and corrected pages 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

# 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1959 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1959 Drilling Program for the San Juan 28-5 Unit #14-08-001-949.

The Drilling Program for the San Juan 28-5 Unit for the calendar year 1958 was comprised of seven (7) wells that were to be drilled to the Mesaverde Formation, and all of the seven (7) wells have been completed in the Mesaverde Formation. Two (2) of the foregoing wells were located on intervening drilling blocks that were in a Participating Area and the remaining five (5) wells have been admitted to the Participating Area for the Mesaverde Formation.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1959 consisting of six (6) wells to be drilled to the Mesaverde Formation on the following locations, with the possibility of a dual completion of one well in the Mesaverde and Pictured Cliffs Formations:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
S/2 Section 17, T-28-N, R-5-W	Mesaverde
S/2 Section 18, T-28-N, R-5-W	Mesaverde
S/2 Section 19, T-28-N, R-5-W	Mesaverde
S/2 Section 24, T-28-N, R-5-W	Mesaverde
N/2 Section 26, T-28-N, R-5-W	Mesaverde
S/2 Section 32, T-28-N, R-5-W	Mesaverde (possible dual completion, Pictured Cliffs and Mesaverde)

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed 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 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.


All 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

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: *W. H. Carter* 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 28-5 Unit, Rio Arriba County, New Mexico.



**WORKING INTEREST OWNERS**  
**San Juan 28-5 Unit**

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. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
Post Office Box 1526  
Salt Lake City 10, Utah

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
935 Chiltun Road  
Hillsborough, California

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mrs. Omega E. Quinn  
3592 F Inwood Road  
Dallas 9, Texas

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. H. O. Pool  
Post Office Box 708  
Santa Fe, New Mexico

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

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

American Petrofina Company of Texas  
Post Office Box 2159  
Dallas 21, Texas

Mr. Joe Quinn  
Route 4, Box 72  
Mesa, Arizona

Mr. J. R. Abercrombie  
Post Office Box 224  
Bellair, Texas

Mr. M. A. Romero  
Post Office Box 2011  
Santa Fe, New Mexico

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
252 West First Street  
Reno, Nevada

# El Paso Natural Gas Company

El Paso, Texas

December 29, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
SIXTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective October 1, 1958

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 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 28-5 Unit #31 Well is located 1750' from the North line and 1500' from the East line of Section 13, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on July 1, 1958 and completed on August 22, 1958 at a total depth of 6767'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 6212' - 6222', 6228' - 6236', 6536' - 6548', 6562' - 6574', 6586' - 6620', 6625' - 6634', 6648' - 6658', 6666' - 6670', 6688' - 6694' were perforated and treated with a sand-water fracturing process on August 13, 1958 and August 15, 1958. After being shut-in for twenty-six (26) days, the well was tested on September 17, 1958, and following a three (3) hour blow-down period gauged 3502 MCFGPD through a 3/4" choke and 5241 MCFGPD by the calculated absolute open-flow method with an SIPC of 1121# and an SIPT of 1121#. The committed drilling block upon which this well is located is described as the N/2 of Section 13, Township 28 North, Range 5 West, N.M.P.M., containing 343.07 acres.

The foregoing well is being included in the Sixteenth Expanded Participating Area of the Mesaverde Formation effective October 1, 1958.

Attached is Schedule XVIII showing the Sixteenth Expanded Participating Area for the San Juan 28-5 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 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

# El Paso Natural Gas Company

El Paso, Texas

December 29, 1958

File  
553

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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND FIFTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective September 1, 1958

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 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 28-5 Unit #26 Well is located 1528' from the North line and 950' from the East line of Section 14, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on June 18, 1958 and completed on July 21, 1958 at a total depth of 6686'. The Cliff House, Menefee, and Point Lookout Sections of the Mesaverde Formation in the intervals between 6085' - 6110', 6136' - 6148', 6164' - 6174', 6210' - 6220', 6336' - 6348', 6364' - 6376', 6416' - 6432', 6446' - 6472', 6482' - 6494', 6506' - 6518', 6530' - 6548', 6558' - 6570', 6608' - 6620' were perforated and treated with a sand-water fracturing process on July 16 and July 17, 1958. After being shut-in for twenty-one (21) days, the well was tested on August 11, 1958, and following a three (3) hour blow-down period gauged 3852 MCFGPD through a 3/4" choke and 6875 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1106#

and an SIPT of 1107#. The committed drilling block upon which this well is located is described as the N/2 of Section 14, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Unit Twelfth Expanded Participating Area of the Mesaverde Formation effective October 1, 1957, as an intervening drilling block.

The San Juan 28-5 Unit #30 Well is located 990' from the North line and 1550' from the East line of Section 22, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on July 12, 1958 and completed on August 1, 1958 at a total depth of 5987'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 5422' - 5444', 5670' - 5686', 5752' - 5764', 5772' - 5784', 5792' - 5808', 5836' - 5856', 5870' - 5890', 5900' - 5910', 5916' - 5930' were perforated and treated with a sand-water fracturing process on July 28, 1958. After being shut-in for ten (10) days, the well was tested on August 11, 1958, and following a three (3) hour blow-down period gauged 4005 MCFGPD through a 3/4" choke and 7469 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1062# and an SIPT of 849#. The committed drilling block upon which this well is located is described as the N/2 of Section 22, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing well is being included in the Fifteenth Expanded Participating Area of the Mesaverde Formation effective September 1, 1958.

Attached is Schedule XVII showing the Fifteenth Expanded Participating Area for the San Juan 28-5 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

December 22, 1958

F-1  
55

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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
REVISED SCHEDULE XVI OF THE FOURTEENTH  
EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective August 1, 1958

Gentlemen:

Pursuant to Section 11(a) and Section 30 of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, has revised Schedule XV of the Fourteenth Expanded Participating Area for the Mesaverde Formation in order to allocate a proportionate part of the unitized substances to the S/2 SW/4 of Section 15, Township 28 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico.

The above described lands comprise part of the acreage set out under Tract No. 18 of the Exhibit "B" for the San Juan 28-5 Unit Agreement and were included in the Third Expanded Participating Area of the Mesaverde Formation, effective January 1, 1955. It is one of the tracts of land comprising the S/2 of Section 15, Township 28 North, Range 5 West, the drilling block dedicated to the San Juan 28-5 Unit No. 10 Well. No unitized substances were allocated to said lands in Schedules IV through XV of the Third through Fourteenth Expansions of the Mesaverde Formation, because they were unleased and not committed to the San Juan 28-5 Unit Agreement, #14-08-001-949, and the San Juan 28-5 Unit Operating Agreement.

The royalty and working interest of the subject lands have now been committed to the San Juan 28-5 Unit Agreement, and the working interest has also been committed to the San Juan 28-5 Unit Operating Agreement, said Ratifications and Joinders having an effective date of August 1, 1958. Under the terms of the Unit

Agreement, Schedule XV of the Fourteenth Expanded Participating Area is revised in order to allocate a proportionate part of the unitized substances to the S/2 SW/4 of Section 15, Township 28 North, Range 5 West, N.M.P.M.

Attached is Revised Schedule XVI of the Fourteenth Expanded Participating Area. This describes the expanded participating area, shows the 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, the Revised Schedule XVI of the Fourteenth Expanded Participating Area will become effective August 1, 1958.

Copies of this letter and schedule 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  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GWO:jb

cc: Attached List

*El Paso Natural Gas Company*  
MAIN OFFICE

1958 JUL 24 PM 1:22 El Paso, Texas

July 23, 1958

*File*  
*533*

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

Re: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
Tract No. 18

Gentlemen:

We are transmitting herewith one (1) duplicate original copy of a Ratification and Joinder of Unit Agreement and a Ratification and Joinder of Unit Operating Agreement, whereby El Paso Natural Gas Company commits its working interest in Tract No. 18 to the San Juan 28-5 Unit Agreement and the San Juan 28-5 Unit Operating Agreement.

We are also transmitting herewith one (1) duplicate original copy of a Ratification and Joinder of Unit Agreement, whereby M. A. Trujillo and his wife, Ascencion S. Trujillo, commit their royalty interest in the lands covered by Tract No. 18 to the San Juan 28-5 Unit Agreement.

If you find the enclosed Ratifications and Joinders of Unit Agreement and the enclosed Ratification and Joinder of Unit Operating Agreement to be in order, we respectfully request that you process the enclosed agreements so that these interests will be effectively committed to the San Juan 28-5 Unit Agreement and the San Juan 28-5 Unit Operating Agreement.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By *Harry Gertz*  
Harry Gertz  
Area Landman  
Land Department

HG:GWO:jb  
Enclosures  
NM 4418



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the SAN JUAN 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

Lumberton, New Mexico

Date: July 8, 1958

Date: \_\_\_\_\_

SIGNATURE

M. A. Trujillo  
Ascension A. Trujillo

APPROVED AND CONSENTED TO:  
EL PASO NATURAL GAS COMPANY  
By [Signature]  
Vice President  
UNIT OPERATOR & WORKING INTEREST OWNER

STATE OF )  
 ) SS.:  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared

\_\_\_\_\_, to me personally known, who, being  
by me duly sworn, did say that he is the \_\_\_\_\_ President of \_\_\_\_\_  
\_\_\_\_\_ and that the seal affixed to said instrument  
is the corporate seal of said corporation, and that said instrument was signed  
and sealed in behalf of said corporation by authority of its board of directors,  
and said \_\_\_\_\_ acknowledged said instrument to be  
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official  
seal the day and year in this certificate first above written.

My Commission expires:

\_\_\_\_\_

\_\_\_\_\_

Notary Public in and for \_\_\_\_\_  
\_\_\_\_\_ County,  
State of \_\_\_\_\_

STATE OF New Mexico )  
 ) SS.:  
COUNTY OF Rio Arriba )

On this 8th day of July, 1958, before me appeared

M. A. Trujillo, also known as  
Manuel A. Trujillo \_\_\_\_\_ and Ascencion S. Trujillo \_\_\_\_\_  
his wife, to me known to be the persons described in and who executed the fore-  
going instrument, and acknowledged to me they executed the same as their free act  
and deed.

My Commission expires:

December 18, 1960

*Steven Nelson*

Notary Public in and for \_\_\_\_\_  
Rio Arriba County,  
State of New Mexico

STATE OF )  
 ) SS.:  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me personally

appeared \_\_\_\_\_, a single person, to me known to be  
the person described in and who executed the foregoing instrument, and acknowledged  
to me that \_\_\_\_\_ he executed the same as \_\_\_\_\_ free act and deed.

My Commission expires:

\_\_\_\_\_

\_\_\_\_\_

Notary Public in and for \_\_\_\_\_  
\_\_\_\_\_ County,  
State of \_\_\_\_\_

*El Paso Natural Gas Company*  
MAIN OFFICE

1958 JUL 8 AM 11:02 *El Paso, Texas*  
June 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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on May 21, 1958, 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.

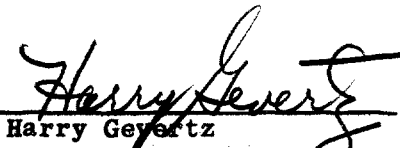
This well is the San Juan 28-5 #27 Well, located 850' from the North line and 1845' from the East line of Section 15, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on January 26, 1958, and completed on February 19, 1958, at a total depth of 6025'. The Point Lookout Section in the Mesaverde Formation between the intervals of 5786' - 5866', 5874' - 5894', 5906' - 5936', was treated with a sand-water fracturing process on February 16, 1958. After being shut-in for gauge for ninety (90) days, the well was tested on May 21, 1958, and following a three (3) hour blow-down period gauged 3005 MCFGPD through a 3/4" choke, and 3988 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1132# and an SIPT of 1133#. The committed drilling block upon which this well is located is described as the N/2 of Section 15, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Thirteenth Expanded Participating Area, effective December 1, 1957, 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.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Harry Geyertz  
Area Landman  
Land Department

HG:GWO:cl

cc: Attached list

San Juan 28-5 Unit  
Working Interest Owners

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

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

Pan American Petroleum Corporation  
P. O. Box 1714  
Albuquerque, 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. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City 10, Utah

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Petro-Atlas Corporation  
First National Building  
Tulsa 3, Oklahoma

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Petro-Atlas Corporation  
P. O. Box 517  
Albuquerque, New Mexico

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Joe Quinn  
P. O. Box 708  
Santa Fe, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

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

Mrs. Omega E. Quinn  
125 Ninth St.  
Albuquerque, New Mexico

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

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

Mr. H. O. Pool  
P. O. Box 708  
Santa Fe, New Mexico

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

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

Mr. W. E. Alsup  
1247 Shafter St.  
San Mateo, California

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

April 14, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
FOURTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective April 1, 1958

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 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 28-5 Unit #28 Well is located 1650' from the North line and 800' from the East line of Section 17, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on January 25, 1958 and completed on February 17, 1958 at a total depth of 5820'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5616' - 5624', 5640' - 5648', 5676' - 5686', 5712' - 5718', 5724' - 5730', 5752' - 5762' was perforated and treated with a sand-water fracturing process on February 13, 1958. After being shut-in for sixteen (16) days, the well was tested on March 5, 1958, and following a three (3) hour blow-down period gauged 4102 MCFGPD through a 3/4" choke and 7396 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1088# and an SIPT of 1088#. The committed drilling block upon which this well is located is described as the N/2 of Section 17, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The San Juan 28-5 Unit #29 Well is located 950' from the North line and 1750' from the East line of Section 18, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on February 19, 1958 and completed on March 8, 1958 at a total depth of 5991'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 5424' - 5442', 5744' - 5756', 5770' - 5792', 5814' - 5836', 5846' - 5860', 5868' - 5888' were perforated and treated with a sand-water fracturing process on March 5, 1958. After being shut-in for eleven (11) days, the well was tested on March 20, 1958, and following a three (3) hour blow-down period gauged 5810 MCFGPD through a 3/4" choke and 12,602 MCFGPD by the calculated absolute open-flow method with an SIPC of 1072# and an SIPT of 1070#. The committed drilling block upon which this well is located is described as the N/2 of Section 18, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing wells are being included in the Fourteenth Expanded Participating Area of the Mesaverde Formation effective April 1, 1958.

With the admission to the Participating Area of the San Juan 28-5 #28 Well and the San Juan 28-5 #29 Well, there are two (2) intervening drilling blocks created which are described as the S/2 of Section 17, Township 28 North, Range 5 West, containing 320.00 acres, and the S/2 of Section 18, Township 28 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, these two intervening drilling blocks are admitted to the Participating Area on April 1, 1958, and a well must be commenced on each of these intervening drilling blocks by April 1, 1959.

Attached is Schedule XV showing the Fourteenth Expanded Participating Area for the San Juan 28-5 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, 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:cl

cc: Attached List

**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 28-5 Unit Area  
Rio Arriba County, New  
Mexico - 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 28-5 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





IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
P. O. Box 6721  
Roswell, New Mexico

February 24, 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 Juan 28-5 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.

Two approved copies of the plan are enclosed.

Very truly yours,

(Orig. Sgd.) 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 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1958 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1958 Drilling Program for the San Juan 28-5 Unit #14-08-001-949.

There were eleven (11) wells completed on lands committed to the San Juan 28-5 Unit during the calendar year 1957. All of these eleven (11) wells were completed to the Mesaverde Formation.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1958 consisting of seven (7) wells to be drilled to the Mesaverde Formation on the following locations:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
N/2 Section 13, T-28-N, R-5-W	Mesaverde
N/2 Section 14, T-28-N, R-5-W	Mesaverde
N/2 Section 15, T-28-N, R-5-W	Mesaverde
N/2 Section 17, T-28-N, R-5-W	Mesaverde
N/2 Section 18, T-28-N, R-5-W	Mesaverde
N/2 Section 22, T-28-N, R-5-W	Mesaverde
N/2 Section 30, T-28-N, R-5-W	Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed 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 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.

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.


All 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  
28-5 Unit, Rio Arriba County, New Mexico.

San Juan 28-5 Unit  
Working Interest Owners

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

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Mr. Joe Quinn  
P. O. Box 708  
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

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 St.  
Santa Fe, New Mexico

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. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City 10, Utah

Petro-Atlas Corporation  
First National Building  
Tulsa 3, Oklahoma

Petro-Atlas Corporation  
P. O. Box 517  
Albuquerque, New Mexico

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

Mrs. Omega E. Quinn  
125 Ninth St.  
Albuquerque, New Mexico

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

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
1247 Shafter St.  
San Mateo, California

Mrs. Evelyn Ellen Wallace, Co-Trustee for  
Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# El Paso Natural Gas Company

El Paso, Texas

April 14, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
FOURTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective April 1, 1958

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 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 28-5 Unit #28 Well is located 1650' from the North line and 800' from the East line of Section 17, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on January 25, 1958 and completed on February 17, 1958 at a total depth of 5820'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5616' - 5624', 5640' - 5648', 5676' - 5686', 5712' - 5718', 5724' - 5730', 5752' - 5762' was perforated and treated with a sand-water fracturing process on February 13, 1958. After being shut-in for sixteen (16) days, the well was tested on March 5, 1958, and following a three (3) hour blow-down period gauged 4102 MCFGPD through a 3/4" choke and 7396 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1088# and an SIPT of 1088#. The committed drilling block upon which this well is located is described as the N/2 of Section 17, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The San Juan 28-5 Unit #29 Well is located 950' from the North line and 1750' from the East line of Section 18, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on February 19, 1958 and completed on March 8, 1958 at a total depth of 5991'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 5424' - 5442', 5744' - 5756', 5770' - 5792', 5814' - 5836', 5846' - 5860', 5868' - 5888' were perforated and treated with a sand-water fracturing process on March 5, 1958. After being shut-in for eleven (11) days, the well was tested on March 20, 1958, and following a three (3) hour blow-down period gauged 5810 MCFGPD through a 3/4" choke and 12,602 MCFGPD by the calculated absolute open-flow method with an SIPC of 1072# and an SIPT of 1070#. The committed drilling block upon which this well is located is described as the N/2 of Section 18, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The foregoing wells are being included in the Fourteenth Expanded Participating Area of the Mesaverde Formation effective April 1, 1958.

With the admission to the Participating Area of the San Juan 28-5 #28 Well and the San Juan 28-5 #29 Well, there are two (2) intervening drilling blocks created which are described as the S/2 of Section 17, Township 28 North, Range 5 West, containing 320.00 acres, and the S/2 of Section 18, Township 28 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, these two intervening drilling blocks are admitted to the Participating Area on April 1, 1958, and a well must be commenced on each of these intervening drilling blocks by April 1, 1959.

Attached is Schedule XV showing the Fourteenth Expanded Participating Area for the San Juan 28-5 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, 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:cl

cc: Attached List

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

**SANTA FE, NEW MEXICO**

**March 28, 1958**

**El Paso Natural Gas Company  
Box 1492  
El Paso, Texas**

**Attention: Mr. Sam Smith**

**Re: San Juan 28-5 Unit Area  
Rio Arriba County, New  
Mexico - 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 28-5 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/1r**

**Enclosure**





IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
P. O. Box 6721  
Roswell, New Mexico

February 24, 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 Juan 28-5 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.

Two approved copies of the plan are enclosed.

Very truly yours,

(Orig. Sgd.) 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 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1958 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1958 Drilling Program for the San Juan 28-5 Unit #14-08-001-949.

There were eleven (11) wells completed on lands committed to the San Juan 28-5 Unit during the calendar year 1957. All of these eleven (11) wells were completed to the Mesaverde Formation.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1958 consisting of seven (7) wells to be drilled to the Mesaverde Formation on the following locations:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
N/2 Section 13, T-28-N, R-5-W	Mesaverde
N/2 Section 14, T-28-N, R-5-W	Mesaverde
N/2 Section 15, T-28-N, R-5-W	Mesaverde
N/2 Section 17, T-28-N, R-5-W	Mesaverde
N/2 Section 18, T-28-N, R-5-W	Mesaverde
N/2 Section 22, T-28-N, R-5-W	Mesaverde
N/2 Section 30, T-28-N, R-5-W	Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed 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 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.

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.


All 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: \_\_\_\_\_

*A. J. Porter*  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

3-28-58

The foregoing approvals are for the 1958 Drilling Program for the San Juan  
28-5 Unit, Rio Arriba County, New Mexico.

San Juan 28-5 Unit  
Working Interest Owners

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

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Phillips Petroleum Company  
1211 Main Avenue  
Durango, Colorado

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. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Mr. Joe Quinn  
P. O. Box 708  
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

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 St.  
Santa Fe, New Mexico

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. R. N. Richey (2)  
Mr. M. A. Ehrlich (1)  
Pacific Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City 10, Utah

Petro-Atlas Corporation  
First National Building  
Tulsa 3, Oklahoma

Petro-Atlas Corporation  
P. O. Box 517  
Albuquerque, New Mexico

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

Mrs. Omega E. Quinn  
125 Ninth St.  
Albuquerque, New Mexico

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

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mr. W. E. Alsup  
1247 Shafter St.  
San Mateo, California

Mrs. Evelyn Ellen Wallace, Co-Trustee for  
Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

# *El Paso Natural Gas Company*

*El Paso, Texas*

January 6, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
AND THIRTEENTH EXPANDED PARTICIPATING  
AREA  
Mesaverde Formation  
Effective December 1, 1957

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on November 18, 1957 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 28-5 #19 Well is located 1650' from the South line and 915' from the West line of Section 10, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on September 15, 1957, and completed on November 5, 1957, at a total depth of 6009'. The Cliff House and Point Lookout Sections of the Mesaverde Formation in the intervals between 5443' - 5471', 5799' - 5810', 5817' - 5837', 5861' - 5873', 5886' - 5922' were perforated and treated with a sand-water fracturing process on November 1, 1957. After being shut-in for thirteen (13) days, the well was tested on November 19, 1957, and following a three hour blow-down period gauged 3921 MCFGPD through a 3/4" choke and 6650 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1043# and an SIPT of 979#. The committed drilling block upon which this well is located is described as the S/2 of Section 10, Township 28 North, Range 5 West, N.M.P.M., containing 281.88 acres.

This drilling block was included in the Twelfth Expanded Participating Area of the Mesaverde Formation, effective October 1, 1957 as an intervening drilling block.

The completion of the San Juan 28-5 #19 Well creates one (1) intervening drilling block described as the N/2 of Section 15, Township 28 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, 1957, and a well must be commenced on said intervening drilling block by December 1, 1958.

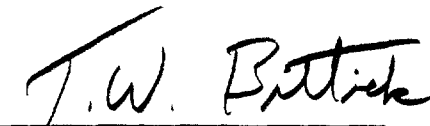
Attached is Schedule XIV showing the Thirteenth Expanded Participating Area for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according 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, 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

cc: Attached list

*El Paso Natural Gas Company*

*El Paso, Texas*

November 25, 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 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL  
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 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 28-5 Unit #16 Well, located 990' from the North line and 990' from the East line of Section 16, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on September 13, 1957, and completed on October 8, 1957, in the Mesaverde Formation at a total depth of 5920'. The Point Look-out Section of the Mesaverde Formation between 5741' - 5765', 5772' - 5794', 5825' - 5853' was perforated and treated with a sand-water fracturing process on October 3, 1957. After being shut-in for gauge for nine (9) days, the well was tested on October 17, 1957, and following a three (3) hour blow-down period gauged 2917 MCFGPD through a 3/4" choke and 4047 MCFGPD by the calculated absolute open flow method with an SIPC of 1002# and an SIPT of 1002#. The committed drilling block upon which this well is located is described as the N/2 of Section 16, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.



This drilling block was included in the San Juan 28-5 Eighth Expanded Participating Area, effective October 1, 1956, as an intervening drilling block. Therefore, the participating area is not enlarged and the percentages allocated to the tracts shown on Schedule XIII for the Twelfth 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  
Harry Gevertz  
Area Landman  
Land Department

HG:GWO:cl

cc: Attached list

# El Paso Natural Gas Company

El Paso, Texas

November 14, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
TWELFTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective October 1, 1957

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, has determined 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, and the Participating Area for the Mesaverde Formation is accordingly expanded.

These wells are as follows:

1. The San Juan 28-5 #25 Well is located 1650' from the South line and 1600' from the West line of Section 13, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 3, 1957, and completed on September 10, 1957, at a total depth of 6840'. The Menefee and Point Lookout Sections of the Mesaverde Formation in the intervals between 6486' - 6502', 6586' - 6602', 6612' - 6622', 6655' - 6673', 6700' - 6732', 6759' - 6771' were perforated and treated with a sand-water fracturing process on September 5, 1957. After being shut-in for seven (7) days, the well was tested on September 17, 1957, and following a three hour blow-down period gauged 2641 MCFGPD through a 3/4" choke and 3494 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1024# and an SIPT of 1029#. The committed drilling block upon which this well is located is described as the S/2 of Section 13, Township 28 North, Range 5 West, N.M.P.M., containing 343.45 acres.

2. The San Juan 28-5 #18 Well is located 815' from the South line and 835' from the West line of Section 11, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on June 29, 1957, and completed on July 24, 1957, at a total depth of 6330'. The Menefee and Point Lookout Sections of the Mesaverde Formation in the intervals between 5768' - 5788', 6134' - 6146', 6150' - 6161', 6166' - 6182', 6214' - 6242' were perforated and treated with a sand-water fracturing process on July 19, 1957. The Menefee and Point Lookout Sections of the Mesaverde Formation in the intervals between 5768' - 5788', 6134' - 6146', 6150' - 6161', 6166' - 6182', 6214' - 6242' were again perforated and treated with a sand-water fracturing process on July 20, 1957. After being shut-in for fifty-four (54) days, the well was tested on September 17, 1957, and following a three hour blow-down period gauged 3811 MCFGPD through a 3/4" choke and 5945 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1118# and an SIPT of 1120#. The committed drilling block upon which this well is located is described as the S/2 of Section 11, Township 28 North, Range 5 West, N.M.P.M., containing 280.68 acres.

The foregoing wells are being included in the Twelfth Expanded Participating Area of the Mesaverde Formation effective October 1, 1957.

With the admission to the Participating Area of the San Juan 28-5 #18 Well, there are two (2) intervening drilling blocks created which are described as the S/2 of Section 10, Township 28 North, Range 5 West, containing 281.88 acres, and the N/2 of Section 14, Township 28 North, Range 5 West, containing 320.00 acres. Under the terms of the Unit Agreement, these two intervening drilling blocks are admitted to the Participating Area on October 1, 1957, and a well must be commenced on each of these intervening drilling blocks by October 1, 1958.

Attached is Schedule XIII showing the Twelfth Expanded Participating Area for the San Juan 28-5 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 owner-ships 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, 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

cc: Attached list

R 3  
7.6.53

*El Paso Natural Gas Company*  
*El Paso, Texas*

September 13, 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 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
ELEVENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective August 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, has determined 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, and the Participating Area for the Mesaverde Formation is accordingly expanded.

This well is as follows:

The San Juan 28-5 #23 Well is located 1650' from the North line and 990' from the East line of Section 28, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on June 6, 1957, and completed on June 27, 1957, at a total depth of 5880'. The Menefee and Point Lookout Sections of the Mesaverde Formation in the intervals between 5658' - 5678', 5726' - 5760', 5776' - 5786', 5793' - 5814', 5830' - 5842' were perforated and treated with a sand-water fracturing process on June 23, 1957. After being shut-in for eight (8) days, the well was tested on July 5, 1957, and following a three hour blow-down period gauged 3700 MCFGPD through a 3/4" choke and 6164 MCFGPD by the calculated

absolute open-flow method, with an SIPC of 1028# and an SIPT of 1028#. The committed drilling block upon which this well is located is described as the N/2 of Section 28, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

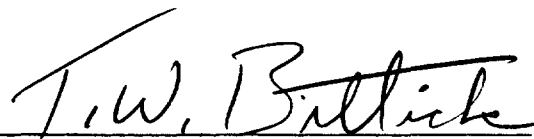
Attached is Schedule XII showing the Eleventh Expanded Participating Area for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according 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, 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  
Enclosure

cc: Attached List

El Paso Natural Gas Company

El Paso, Texas

August 20, 1957

Mr. John A. Anderson  
Regional Oil and 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 28-5 Unit  
No. 14-08-001-949  
Rio Arriba County, New Mexico  
**NOTICE OF COMPLETION OF  
ADDITIONAL WELLS**

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement Number 14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on June 13, 1957, 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 the 28-5 #17 Well located 1475' from the South line and 1825' from the West line of Section 20, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 15, 1957, and completed on June 5, 1957, at a total depth of 5920'. The Cliff House Section in the Mesaverde Formation between the intervals of 5342' - 5348', 5366' - 5393', 5410' - 5420', 5426' - 5434' was treated with a sand-water fracturing process on June 3, 1957. The Point Lookout Section of the Mesaverde Formation between the intervals of 5710' - 5719', 5731' - 5742', 5804' - 5822', 5828' - 5847', 5854' - 5864' was treated with a sand-water fracturing process on June 2, 1957. After being shut in for gauge for eight (8) days, the well was tested on June 13, 1957, and following a three (3) hour blow-down period, gauged 4193 MCFGPD through a 3/4" choke, and 7644 MCFGPD by the calculated open-flow method, with an SIPC of 1064# and an SIPT of 1059#. The committed drill-

ing block upon which this well is located is described as the S/2 of Section 20, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 28-5 Seventh Expanded Participating Area, effective September 1, 1956, as an intervening drilling block. Therefore, the participating area is not enlarged and the percentages allocated to the tracts shown on Schedule XI for the Tenth Expanded Participating Area remain the same.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:cl

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

August 12, 1957

MAIN OFFICE GCO  
1957 AUG 14 PM 1:20

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

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

Re: 28-5 Unit Agreement  
Rio Arriba County, New Mexico  
Tract #23

Gentlemen:

You will find enclosed herewith one (1) copy of Ratification and Joinder of Unit Agreement for the above captioned unit whereby Mamie Mangum, Guardian of the Estate of David Mangum, an incompetent, pursuant to Court Order in District Court Cause No. 5819, commits the foregoing royalty interest to the 28-5 Unit Agreement.

We respectfully ask that you process the Ratification and Joinder of Unit Agreement in your usual manner in order to effectively commit the above mentioned interest to the 28-5 Unit Agreement.

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:GWO:jr  
Enclosures



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

WITNESSES  
ADDRESS  
/ / / / /

SIGNATURE

Lucy Bilduberg

Guardian of the Estate of David Mangum  
GUARDIAN OF THE ESTATE OF DAVID MANGUM, AN INCOMPETENT, PURSUANT TO COURT ORDER IN DISTRICT COURT CAUSE NO. 5819

Date: June 11, 1957

Date: 8-2-57

APPROVED AND CONSENTED TO:

By Harold B. Miller  
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By W. F. Davis

Vice President

UNIT OPERATOR

STATE OF )  
 ) SS.:  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that he is the \_\_\_\_\_ President of \_\_\_\_\_ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF NEW MEXICO )  
 ) SS.:  
COUNTY OF SAN JUAN )

On this 11th day of June, 1957, before me appeared Mamie Mangum, Guardian of the estate and of David Mangum, an incompetent, ~~his wife~~, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me ~~they~~ she executed the same as ~~their~~ her free act and deed.

My Commission expires:  
January 12, 1959

Lucy Smith Bilderbeck  
Notary Public in and for \_\_\_\_\_  
San Juan County,  
State of New Mexico

STATE OF New Mexico )  
 ) SS.:  
COUNTY OF Santa Fe )

On this 2nd day of August, 1957, before me personally appeared James B. Miller, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that \_\_\_\_\_ he executed the same as his free act and deed.

My Commission expires:

Marques M. Harrell  
Notary Public in and for \_\_\_\_\_  
Santa Fe County,  
State of New Mexico

*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 28-5 Unit No. 14-08-001-949  
Rio Arriba County, New Mexico  
TENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective June 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, has determined 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, and the Participating Area for the Mesaverde Formation is accordingly expanded.

These wells are as follows:

The San Juan 28-5 #20 Well is located 1800' from the South line and 1175' from the West line of Section 30, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on April 15, 1957, and completed on May 9, 1957, at a total depth of 5766'. The Mesaverde Formation in the intervals between 5116' - 5124', 5140' - 5148', 5164' - 5182', 5190' - 5198', 5516' - 5526', 5570' - 5582', 5588' - 5608', 5616' - 5626', 5634' - 5643' was perforated and treated with a water fracturing process on May 6, 1957. After being shut-in for fourteen (14) days, the well was tested on May 23, 1957, and following a three hour blow-down period gauged 4775 MCFGPD through a 3/4" choke and 11,560 MCFGPD by the calculated absolute open flow method, with an SIPC of 1070# and an SIPT of 1056#. The committed drilling block upon which this well is located is described as the S/2 of Section 30, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

✓  
The San Juan 28-5 #22 Well is located 1140' from the South line and 990' from the West line of Section 21, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 21, 1957, and completed on April 13, 1957, at a total depth of 5895'. The Mesaverde formation in the intervals between 5292' - 5308', 5325' - 5335', 5344' - 5358', 5723' - 5738', 5773' - 5780', 5786' - 5800', 5814' - 5822' was perforated and treated with a water fracturing process on April 9, 1957. After being shut-in for ten (10) days, the well was tested on May 23, 1957, and following a three hour blow-down period gauged 4416 MCFGPD through a 3/4" choke and 8170 MCFGPD by the calculated absolute open flow method, with an SIPC of 1097# and an SIPT of 1097#. The committed drilling block upon which this well is located is described as the S/2 of Section 21, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

Attached is Schedule XI showing the Tenth Expanded Participating Area for the San Juan 28-5 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  
Assistant Manager  
Land Department

TWB:GWC:cl  
Enclosure

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

June 19, 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 28-5 Unit No. 14-08-001-949  
Rio Arriba County, New Mexico  
NINTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective May 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that three additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to the Unit, and the Participating Area for the Mesaverde Formation is accordingly expanded.

These wells are as follows:

The San Juan 28-5 #11 Well is located 1730' from the South line and 1790' from the West line of Section 33, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on January 7, 1957, and completed on March 3, 1957, at a total depth of 5893'. The Mesaverde Formation in the intervals between 5202' - 5206', 5210' - 5216', 5218' - 5234', 5238' - 5260', 5264' - 5268', 5272' - 5286', 5292' - 5296', 5302' - 5306', 5312' - 5318', 5320' - 5324', 5374' - 5378', 5380' - 5384', 5516' - 5530', 5670' - 5676', 5678' - 5688', 5692' - 5704', 5706' - 5716', 5722' - 5760', 5766' - 5774', 5782' - 5788', 5806' - 5816', 5822' - 5828' was perforated and treated with a water fracturing process on March 28, 1957. After being shut-in for seven (7) days, the well was tested on April 18, 1957, and following a three hour blow-down period gauged 5278 MCFGPD through a 3/4" choke and 11,024 MCFGPD by the calculated absolute open flow method, with an SIPC of 1105# and an SIPT of 1105#. The committed drilling block upon which

well is located is described as the S/2 of Section 33, Township 28 North, Range 5 West, N.M.P.M., containing 326.65 acres.

The San Juan 28-5 #21-35 Well is located 1650' from the South line and 1075' from the West line of Section 35, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on March 12, 1957, and completed on April 16, 1957, at a total depth of 5840'. The Mesa-verde formation in the intervals between 5216' - 5240', 5248' - 5268', 5274' - 5282', 5310' - 5330', 5336' - 5358', 5364' - 5368', 5382' - 5386', 5394' - 5398', 5408' - 5424', 5446' - 5452', 5458' - 5466', 5478' - 5482', 5504' - 5512', 5558' - 5584', 5590' - 5598', 5636' - 5656', 5662' - 5672', 5682' - 5696', 5710' - 5730', 5738' - 5748', 5758' - 5762', was perforated and treated with a water fracturing process on April 13, 1957. After being shut-in for thirteen (13) days, the well was tested on April 29, 1957, and following a three hour blow-down period gauged 3983 MCFGPD through a 3/4" choke and 6673 MCFGPD by the calculated absolute open flow method, with an SIPC of 1140# and an SIPT of 1140#. The committed drilling block upon which this well is located is described as the S/2 of Section 35, Township 28 North, Range 5 West, N.M.P.M., containing 361.36 acres.


The San Juan 28-5 #24 Well is located 990' from the North line and 990' from the East line of Section 34, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on February 3, 1957, and completed on March 26, 1957, at a total depth of 5985'. The Mesaverde formation in the intervals between 5372' - 5374', 5378' - 5392', 5396' - 5402', 5410' - 5414', 5416' - 5430', 5434' - 5436', 5438' - 5454', 5484' - 5488', 5494' - 5498', 5668' - 5670', 5676' - 5682', 5732' - 5734', 5739' - 5746', 5792' - 5798', 5800' - 5808', 5812' - 5816', 5822' - 5832', 5838' - 5852', 5855' - 5860', 5862' - 5868', 5870' - 5876', 5878' - 5880', 5890' - 5900', 5902' - 5906' was perforated and treated with a water fracturing process on March 24, 1957. After being shut-in for seven (7) days, the well was tested on April 2, 1957, and following a three hour blow-down period gauged 2735 MCFGPD through a 3/4" choke and 3688 MCFGPD by the calculated absolute open flow method, with an SIPC of 1140# and an SIPT of 436#. The committed drilling block upon which this well is located is described as the N/2 of Section 34, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

Attached is Schedule X showing the Ninth Expanded Participating Area for the San Juan 28-5 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   
Samuel Smith  
Ass't Manager  
Lease Department

SS:EN:cl  
Enclosure

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

May 14, 1957

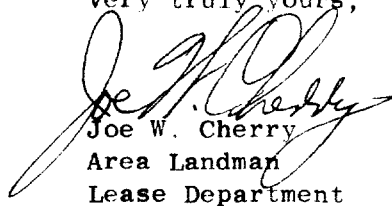
Oil Conservation Commission  
of State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: San Juan 28-5 Unit  
Tracts 19, 20, 22

Gentlemen:

Please find enclosed herewith one (1) copy of the Consent executed by Horace F. McKay, Jr. et ux. We respectfully request that you process this instrument in the usual manner to effectively commit the basic royalty interests under the captioned tracts of the San Juan 28-5 Unit.

Very truly yours,

  
Joe W. Cherry  
Area Landman  
Lease Department

JWC:EN:mm



CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan 28-5 Unit Area, Rio Arriba County, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

800 Loma Linda Place S.E.

Albuquerque, New Mexico

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Approved and Consented to:  
PACIFIC NORTHWEST PIPELINE CORPORATION

By: [Signature]  
Vice President  
Working Interest Owner

Date: \_\_\_\_\_

SIGNATURE

[Signature]  
Elmyra K. McKay

[Signature]  
Horace F. McKay, Jr.

Approved and Consented to:  
PAN AMERICAN PETROLEUM CORPORATION

By: [Signature]  
Vice President ATTORNEY-IN-FACT  
Working Interest Owner

Date: \_\_\_\_\_

APPROVED AND CONSENTED TO:  
EL PASO NATURAL GAS COMPANY  
By: [Signature]  
Vice President  
UNIT OPERATOR

STATE OF )  
 ) SS  
COUNTY OF )  
NEW MEXICO

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me personally appeared  
BERNALILLO

11th March 7

Horace F. McKay, Jr. and Elvira K. McKay, his wife  
to me known to be the person \_\_\_\_\_ described in and who executed the foregoing instrument,  
and acknowledged that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

IN WITNESS WHEREOF, <sup>S</sup> I have hereunto set my hand and affixed my official seal the  
day and year in this certificate above written. ~~their~~

My Commission Expires:

Joe B. Gladys  
Notary Public

September 21, 1960

STATE OF )  
 ) SS  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me personally appeared

to me known to be the person \_\_\_\_\_ described in and who executed the foregoing instrument,  
and acknowledged that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the  
day and year in this certificate above written.

My Commission Expires:

\_\_\_\_\_  
Notary Public

STATE OF )  
 ) SS  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me personally appeared

to me known to be the person \_\_\_\_\_ described in and who executed the foregoing instrument,  
and acknowledged that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the  
day and year in this certificate above written.

My Commission Expires:

\_\_\_\_\_  
Notary Public

# El Paso Natural Gas Company

El Paso, Texas

February 19, 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 28-5 Unit Area  
#14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF APPROVAL OF  
1957 DRILLING PROGRAM

Gentlemen:

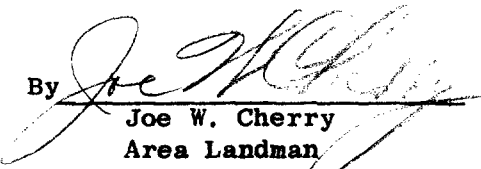
This is to advise that the 1957 Drilling Program for the San Juan 28-5 Unit Area was approved as follows:

- (1) Supervisor, United States Geological Survey, January 28, 1957.
- (2) Commissioner of Public Lands of the State of New Mexico, January 11, 1957.
- (3) Oil Conservation Commission of the State of New Mexico, February 11, 1957.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Joe W. Cherry  
Area Landman  
Lease Department

JWC:EN:nn  
cc: Attached list

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 11, 1957

C  
O  
P  
Y  
  
El Paso Natural Gas Company  
El Paso, Texas

Attention: Mr. Samuel Smith

Re: San Juan 28-5 U  
Rio Arriba Coun  
1957 Drilling Pr

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commisa  
this date approved the 1957 Drilling Program for the subject unit a  
dated December 31, 1956, subject to like approval by the United Stat  
Geological Survey.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, JR.  
Secretary-Director

ALP:DSN:dea  
Enclosure



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 6721  
Roswell, New Mexico

January 28, 1957

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

Attention: Mr. E. L. Hamblin

Gentlemen:

Your plan of development dated December 31, 1956, for the San Juan 28-5 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,

R. E. CAMPFIELD  
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)

3-53

100-100000

100-100000

January 11, 1957

In reply refer to:  
Unit Division

6' 11'

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

Re: San Juan 28-5 Unit  
1957 Drilling Program

Attention: Mr. Samuel Smith,  
Assistant Manager, Lease Department

Gentlemen:

We are enclosing two copies of the 1957 Drilling Program for the San Juan 28-5 Unit Agreement, which was approved by the Commissioner of Public Lands on January 11, 1957, 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

MEM:MR/m  
enc: 2

cc: USGS-Roswell  
OCC-Santa Fe

El Paso Natural Gas Company

El Paso, Texas

December 31, 1956

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

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

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

Re: San Juan 28-5 Unit  
# 14-08-001-949  
Rio Arriba County, New Mexico  
1957 DRILLING PROGRAM

Gentlemen:

By letter dated December 27, 1955, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the calendar year 1956, regarding the above captioned unit. This Drilling Program was approved by the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico and the Oil Conservation Commission of the State of New Mexico. There were four (4) wells to be drilled during the calendar year 1956.

The San Juan 28-5 #12 well, located in the S/2 of Section 7, Township 28 North, Range 5 West, was spudded on June 25, 1956, and completed on July 30, 1956, at a total depth of 5,865' with an IP of 5,011 MCFGPD. This Drilling Block was included in the San Juan 28-5 Sixth Expanded Participating Area effective August 1, 1956.

The San Juan 28-5 #13 well, located in the S/2 of Section 9, Township 28 North, Range 5 West, was spudded on August 10, 1956, and completed on September 11, 1956, at a total depth of 5,842' with an IP of 3,781 MCFGPD. This Drilling Block was included in the San Juan 28-5 Eighth Expanded Participating Area effective October 1, 1956.

The San Juan 28-5 #10 well, located in the S/2 of Section 15, Township 28 North, Range 5 West, was spudded on December 28, 1955, and completed on February 7, 1956, at a total depth of 5,945' with an IP of 5,063 MCFGPD. This Drilling Block was included in the San Juan 28-5 Third Expanded Participating Area as an intervening drilling block effective January 1, 1955.

The San Juan 28-5 #14 well, located in the N/2 of Section 20, Township 28 North, Range 5 West, was spudded on July 20, 1956, and completed on August 23, 1956 at a total depth of 5,976' with an IP of 4,204 MCFGPD. This Drilling Block was included in the San Juan 28-5 Fifth Expanded Participating Area as an intervening drilling block effective August 1, 1955.

During 1956 Messrs. T. H. McElvain and Forrest B. Miller requested El Paso Natural Gas Company, as Unit Operator, to submit a Supplemental Drilling Program consisting of one Mesaverde well to be drilled in the S/2 of Section 34, Township 28 North, Range 5 West. By letter dated May 22, 1956, El Paso Natural Gas Company filed a Supplemental Drilling Program for 1956, which was approved by the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commission of the State of New Mexico. This well, designated as the San Juan 28-5 #15 well, was spudded on June 5, 1956, and completed on July 13, 1956, at a total depth of 5,855' with an IP of 4,045 MCFGPD. This Drilling Block was included in the San Juan 28-5 Sixth Expanded Participating Area effective August 1, 1956.

Since April 10, 1953, the Effective date of the San Juan 28-5 Unit Agreement, the following wells have been completed on acreage committed to the San Juan 28-5 Unit:

<u>WELL NAME</u>	<u>DRILLING BLOCK</u>	<u>INITIAL POTENTIAL</u>	<u>FORMATION</u>	<u>TIED-IN</u>
San Juan 28-5 #12	S/2 Sec. 7 T-28-N,R-5-W	5011 MCF	Mesaverde	Not tied-in
San Juan 28-5 # 7	S/2 Sec. 8 T-28-N,R-5-W	2237 MCF	Mesaverde	4-26-56
San Juan 28-5 #13	S/2 Sec. 9 T-28-N,R-5-W	3781 MCF	Mesaverde	Not tied-in
San Juan 28-5 # 2	S/2 Sec. 14 T-28-N,R-5-W	1235 MCF	Mesaverde	12-7-54
San Juan 28-5 #10	S/2 Sec. 15 T-28-N,R-5-W	5063 MCF	Mesaverde	5-11-56
San Juan 28-5 # 6	S/2 Sec. 16 T-28-N,R-5-W	3221 MCF	Mesaverde	12-8-54
San Juan 28-5 # 4	N/2 Sec. 19 T-28-N,R-5-W	2300 MCF	Mesaverde	Not tied-in
San Juan 28-5 #14	N/2 Sec. 20 T-28-N,R-5-W	4204 MCF	Mesaverde	Not tied-in
San Juan 28-5 # 8	N/2 Sec. 21 T-28-N,R-5-W	3937 MCF	Mesaverde	5-5-56
San Juan 28-5 # 3	S/2 Sec. 26 T-28-N,R-5-W	673 MCF	Mesaverde	5-11-56
San Juan 28-5 # 1	N/2 Sec. 29 T-28-N,R-5-W	2310 MCF	Mesaverde	10-25-55
San Juan 28-5 # 9	S/2 Sec. 29 T-28-N,R-5-W	4385 MCF	Mesaverde	12-7-55
San Juan 28-5 #15	S/2 Sec. 34 T-28-N,R-5-W	4045 MCF	Mesaverde	Not tied-in

The San Juan 28-5 Mesa 2-30 well, located in the N/2 of Section 30, Township 28 North, Range 5 West, was spudded on August 30, 1953, by Phillips Petroleum Company. This well was temporarily abandoned and was turned over to the Unit Operator by Phillips Petroleum Company. This well has never been completed.



The San Juan 28-5 #3 well, located in the S/2 of Section 26, Township 28 North, Range 5 West, was spudded on November 24, 1953, and completed at a total depth of 6,058'. After being shut-in for guage, this well was tested on March 5, 1954, and guaged an IP of 404 MCFGPD. On April 27, 1954, this well was retested and at that time guaged an IP of 673 MCFGPD. This well was declared non-commercial.

The total production for the San Juan 28-5 Unit Mesaverde Participating Area from January 1, 1956, through November, 1956, is 205,289 MCF. The total value in sales is \$24,653.05. This figure includes total sale of natural gas, butane, propane, gasoline, and condensate.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1957, consisting of eleven (11) wells to be drilled to the Mesaverde formation on the following locations:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
S/2 Section 10, T-28-N, R-5-W	Mesaverde
S/2 Section 11, T-28-N, R-5-W	Mesaverde
S/2 Section 13, T-28-N, R-5-W	Mesaverde
N/2 Section 16, T-28-N, R-5-W	Mesaverde
S/2 Section 20, T-28-N, R-5-W	Mesaverde
S/2 Section 21, T-28-N, R-5-W	Mesaverde
N/2 Section 28, T-28-N, R-5-W	Mesaverde
S/2 Section 30, T-28-N, R-5-W	Mesaverde
S/2 Section 33, T-28-N, R-5-W	Mesaverde
N/2 Section 34, T-28-N, R-5-W	Mesaverde
S/2 Section 35, T-28-N, R-5-W	Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above listed 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" casing will be set through the Pictured Cliffs formation to a depth of approximately 3,200'. From this point 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 in with gas. Due care will be taken to protect all horizons.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage, and will comply with any drilling requirement created under the terms of the Unit Agreement calling for additional drilling.


All the Working Interest Owners have been contacted, and this Drilling Program reflects their requests for additional drilling.

If this program is acceptable, please signify your approval of this Drilling Program as required under Section 10 of the Unit Agreement in the

space provided below, and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Samuel Smith  
Assistant Manager  
Lease Department

SS:EN:nn

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

The foregoing approvals are for the 1957 Drilling Program for  
the San Juan 28-5 Unit, New Mexico.

583

# El Paso Natural Gas Company

El Paso, Texas

December 13, 1956

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

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

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

*file*

Re: San Juan 28-5 Unit No. 14-08-001-949  
Rio Arriba County, New Mexico  
EIGHTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective October 1, 1956

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on September 11, 1956, 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, and the Participating Area for the Mesaverde Formation is accordingly expanded.

This well is as follows:

The San Juan 28-5 #13 Well located 890' from the South line and 1033' from the West line of Section 9, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 11, 1956, and completed on September 1, 1956, at a total depth of 5842'. The Point Lookout section of the Mesaverde formation in the intervals between 5662' - 5672', 5680' - 5690', 5703' - 5713', 5758' - 5774' and the Cliff House section of the Mesaverde formation in the intervals between 5302' - 5318', 5327' - 5337' were perforated and treated with a sand-water fracturing process on August 27, 1956. After being shut-in for ten days, the well was tested on September 11, 1956, and following a three hour blow-down period gauged 3781 MCFGPD through a 3/4" choke and 5732 MCFGPD by the calculated absolute open flow method, with an SIPC of 1044# and an SIPT of 1040#. The committed drilling block upon which this

well is located is described as the S/2 (All) of Section 9,  
Township 28 North, Range 5 West, N.M.P.M., containing 282.36  
acres.

With the admission to the Participating Area of the San Juan 28-5 #13 Well,  
there is one (1) intervening drilling block created described as the N/2 of Section  
16, Township 28 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 Parti-  
cipating Area on October 1, 1956, and a well must be commenced on said intervening  
drilling block by October 1, 1957.

Attached is Schedule IX showing the Eighth Expanded Participating Area for  
the San Juan 28-5 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 be-  
come effective as of October 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



Samuel Smith  
Ass't. Manager  
Lease Department

SS:EN:cr  
Enclosure

cc: Attached List

El Paso Natural Gas Company

El Paso, Texas

October 22, 1956

*file*

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

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

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

Re: San Juan 28-5 Unit No. 14-08-001-949  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND SEVENTH EXPANDED PARTICI-  
PATING AREA, Mesaverde Formation  
Effective September 1, 1956

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on August 23, 1956, 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 28-5 #14 Well located 1650' from the North line and 990' from the East line of Section 20, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on July 20, 1956, and completed on August 9, 1956, at a total depth of 5976'. The Lower Point Lookout section in the Mesaverde Formation between 5854' - 5868' and 5888' - 5902' was perforated and treated with a sand-water fracturing process on August 6, 1956. The Upper Point Lookout section in the Mesaverde Formation between 5762' - 5780' and 5810' - 5820' was perforated and treated with a sand-water fracturing process on August 7, 1956. After being shut-in for gauge for fourteen (14) days, the well was tested on August 23, 1956, and following a three hour blow-down,

gauged 4204 MCFGPD through a 3/4" choke and 6764 MCFGPD by the calculated absolute open flow method, with an SIPC of 1031# and an SIPT of 1031#. The committed drilling block upon which this well is located is described as the N/2 of Section 20, Township 28 North, Range 5 West, N.M.P.M., containing 320 acres.

This drilling block was included in the San Juan 28-5 Fifth Expanded Participating Area, effective August 1, 1955, as an intervening drilling block.

The completion of the San Juan 28-5 #14 Well creates one (1) intervening drilling block described as the S/2 of Section 20, Township 28 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 September 1, 1956, and a well must be commenced on said intervening drilling block by September 1, 1957.

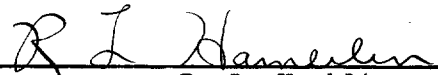
Attached is Schedule VIII showing the Seventh Expanded Participating Area for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according 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, 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



R. L. Hamblin  
Manager  
Lease Department

RLH:ED:nb

Enclosure

cc: Attached List

# El Paso Natural Gas Company

El Paso, Texas

October 30, 1956

*file*

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

Re: San Juan 28-5 Unit, Tract 17

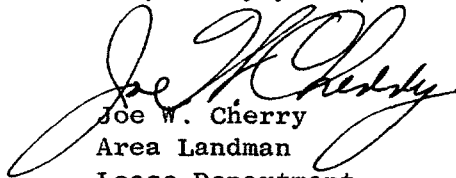
Gentlemen:

Please find enclosed one (1) copy each of the following  
Ratification and Joinders executed by the persons listed below:

1. Beatrice Gomez
2. Manuelita Amalia Gomez Jacquez and  
Loney Jacquez
3. Jack A. Kemper and Shirley Kemper

We respectfully ask that you process these Ratification  
and Joinders in the usual manner to effectively commit these basic  
royalty interests under Tract 17 of the San Juan 28-5 Unit.

Very truly yours,

  
Joe W. Cherry  
Area Landman  
Lease Department

JWC:EN:pb  
Encls.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

601 White Ave  
Hyter N.M.

Beatrice Gomez  
Beatrice Gomez

Date: 8-31-56

Date: \_\_\_\_\_

APPROVED AND CONSENTED TO:

Foster B. Miller  
Working Interest Owner

APPROVED AND CONSENTED TO:  
EL PASO NATURAL GAS COMPANY  
By H. L. Davis  
Vice President  
UNIT OPERATOR



STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that he is the \_\_\_\_\_ President of \_\_\_\_\_ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared \_\_\_\_\_ and \_\_\_\_\_ his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:


\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF NEW MEXICO )  
COUNTY OF SAN JUAN ) SS.:

On this 31st day of August, 1956, before me personally appeared Beatrice Gomez, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that \_\_\_\_\_s he executed the same as \_\_\_\_\_her free act and deed.

My Commission expires:

February 24, 1960

  
Notary Public in and for San Juan  
County,  
State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

SIGNATURE

Manuelita Amalia Gomez Jacquez  
Manuelita Amalia Gomez Jacquez  
Loney Jacquez  
Loney Jacquez

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPROVED AND CONSENTED TO:

Garret Byrnes  
Working Interest Owner

APPROVED AND CONSENTED TO:  
EL PASO NATURAL GAS COMPANY

By [Signature] RLH  
Vice President

UNIT OPERATOR

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared

\_\_\_\_\_, to me personally known, who, being  
by me duly sworn, did say that he is the \_\_\_\_\_ President of \_\_\_\_\_  
\_\_\_\_\_ and that the seal affixed to said instrument  
is the corporate seal of said corporation, and that said instrument was signed  
and sealed in behalf of said corporation by authority of its board of directors,  
and said \_\_\_\_\_ acknowledged said instrument to be  
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official  
seal the day and year in this certificate first above written.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF *Illinois* )  
COUNTY OF *Lake* ) SS.:

On this 15 day of August, 1956, before me appeared

Manuelita Amalia Gomez Jacquez and Loney Jacquez, her husband  
~~the wife~~, to me known to be the persons described in and who executed the fore-  
going instrument, and acknowledged to me they executed the same as their free act  
and deed.

My Commission expires:

March 7, 1957  
\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of Illinois

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me personally

appeared \_\_\_\_\_, a single person, to me known to be  
the person described in and who executed the foregoing instrument, and acknowledged  
to me that \_\_\_\_\_ he executed the same as \_\_\_\_\_ free act and deed.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the SAN JUAN 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

\_\_\_\_\_  
\_\_\_\_\_  
Date: 2-13-56

Spencer T. Kemper  
Jack A. Kemper  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

APPROVED AND CONSENTED TO:

Forrest Brumley  
Working Interest Owner

APPROVED AND CONSENTED TO:  
EL PASO NATURAL GAS COMPANY  
By H. E. Davis off  
Vice President  
UNIT OPERATOR

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared

\_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that he is the \_\_\_\_\_ President of \_\_\_\_\_ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF New Mexico )  
COUNTY OF Bernalillo ) SS.:

On this 13 day of July, 1956, before me appeared

Jack H. Kemper and Shirley V. Kemper his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Dec. 19-1958

W. B. Bailey  
Notary Public in and for \_\_\_\_\_  
Bernalillo County,  
State of New Mexico

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me personally

appeared \_\_\_\_\_, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that \_\_\_\_\_ he executed the same as \_\_\_\_\_ free act and deed.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

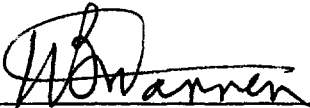
RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER  
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE  
SAN JUAN 28-5 UNIT AREA

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

~~ADDRESS~~

ATTEST:



Assistant Secretary

SIGNATURE

EL PASO NATURAL GAS COMPANY

By: 

Vice President



working interest owner & Unit Operator

Date: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Tract No. 18:  
Township 28 North, Range 5 West  
Section 15: S/2 SW/4  
Section 22: N/2 NW/4

STATE OF TEXAS )  
COUNTY OF EL PASO )

On this 21 day of July, 19 58, before me appeared H. F. STEEN, to me personally known, who being by me duly sworn did say that he is the Vice President of EL PASO NATURAL GAS COMPANY, a corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said H. F. STEEN acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My commission expires:

M. B. IVEY  
Notary Public in and for El Paso County, Texas  
My Commission Expires June 1, 1969

M B Ivey  
Notary Public

STATE OF )  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me appeared \_\_\_\_\_ and \_\_\_\_\_ his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My commission expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public

STATE OF )  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally appeared \_\_\_\_\_, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that \_\_\_\_\_ he executed the same as \_\_\_\_\_ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My commission expires:

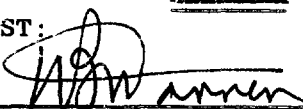
\_\_\_\_\_


\_\_\_\_\_  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (which-ever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ATTEST: ADDRESS  
  
Assistant Secretary

SIGNATURE  
EL PASO NATURAL GAS COMPANY  
By:   
Vice President

Date: \_\_\_\_\_

Working Interest Owner & Unit Operator

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Tract No. 18:  
Township 28 North, Range 5 West  
Section 15: S/2 SW/4  
Section 22: N/2 NW/4



STATE OF TEXAS  
COUNTY OF EL PASO

The foregoing instrument was acknowledged before me this 21 day of July, 1958, by H. F. SIEFF, Vice President of EL PASO NATURAL GAS COMPANY, a Delaware corporation, on behalf of said corporation.

[Signature]  
Notary Public

My Commission expires:

Aug. 5, 1961  
Notary Public in and for El Paso County, Texas  
My Commission Expires August 5, 1961

STATE OF  
COUNTY OF

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 1958, by \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

My Commission expires:

\_\_\_\_\_

STATE OF  
COUNTY OF

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 1958, by \_\_\_\_\_, as attorney-in-fact on behalf of \_\_\_\_\_.

\_\_\_\_\_

My Commission expires:

\_\_\_\_\_

113  
El Paso Natural Gas Company

100157 11 21 15 El Paso, Texas

October 12, 1956

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

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

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

file  
Re: San Juan 28-5 Unit No. 14-08-001-949  
Rio Arriba County, New Mexico  
Sixth Expanded Participating Area  
Mesaverde Formation  
Effective August 1, 1956

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below, two additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to this unit. The participating area for the Mesaverde formation is expanded accordingly to include these wells as follows:

The San Juan 28-5 #12 Well, located 1500' from the South line and 802' from the West line of Section 7, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 25, 1956 and completed on July 13, 1956 at a total depth of 5870'. The Mesaverde formation was treated with a sand-water fracturing process on July 16, 1956. After being shut in for twelve (12) days, the well was tested on July 30, 1956 and after a three hour blow-down, gauged 9591 MCFGPD using a calculated absolute open flow test and 5011 MCFGPD using the choke volume test, with an SIPC of 1082# and an SIPT of 1084#. The committed Drilling Block upon which this well is located is described as the S/2 of Section 7, Township 28 North, Range 5 West, N.M.P.M., containing 282.96 acres.

The San Juan 28-5 #15 Well, located 990' from the South line and 860' from the West line of Section 34, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 5, 1956, and completed June 17, 1956 at a total depth of 5858'. The Mesaverde Formation was treated with a sand-water fracturing process on June 20, 1956. After being shut-in for gauge for seven (7) days, the well was tested on July 13, 1956, and after a three hour blow-down gauged 6739 MCFGPD using a calculated absolute open flow test and 4045 MCFGPD using the choke volume test, with an SIPC of 953# and an SIPT of 953#. The committed Drilling Block upon which this well is located is described as the S/2 of Section 34, Township 28 North, Range 5 West, N.M.P.M., containing 343.60 acres.

Attached is Schedule VII showing the Sixth Expanded Participating Area for the San Juan 28-5 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, 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 R. L. Hamblin  
R. L. Hamblin  
Manager  
Lease Department

RLH:EN:nb

cc: Attached List

Enclosure

MAIN OFFICE OCC *El Paso Natural Gas Company*

1956 JUL 19 AM 8:29

*El Paso, Texas*

July 19, 1956

*case  
553*

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

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

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

*file*

Re: (San Juan 28-5 Unit) #14-08-001-949  
APPROVAL OF SUPPLEMENTAL 1956  
DRILLING PROGRAM

Gentlemen:

This is to advise that the Supplemental 1956 Drilling Program dated May 22, 1956, for the above captioned unit was approved by the proper Federal and State authorities as follows:

1. Regional Supervisor, United States Geological Survey: Approved - May 28, 1956.
2. Commissioner of Public Lands of the State of New Mexico: Approved - May 28, 1956.
3. Oil Conservation Commission of the State of New Mexico: Approved - June 29, 1956.

Copies of this letter have been sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By *James C. Vandiver*  
James C. Vandiver  
Area Landman  
Lease Department

JCV:BG:pb  
cc: Attached List

**Working Interest O**  
**San Juan 28-5 Unit**

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

Mr. R. A. Brown  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Mr. William P. Barnes  
General American Oil Co. of Texas  
Meadows Building  
Dallas 6, Texas

Mr. C. F. Bedford  
Stanolind Oil and Gas Company  
P. O. Box 1410  
Fort Worth, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Dudley Cornell  
Albuquerque Associated Oil Company  
824 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 335  
Santa Fe, New Mexico

Mr. J. B. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

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

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  
P. O. Box 1150  
Plainview, Texas

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

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

Messrs. Carl H. Gilbert and  
Morey Goodman and Mrs. Anita S.  
Friedman, Co-Executors of the  
Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. R. N. Richey  
Pacific Northwest Pipeline Corporation  
720 Simms Building  
Albuquerque, New Mexico

Mr. Jack Owens  
Pacific Northwest Pipeline Corporation  
M & M Building  
Houston, Texas

*Case 5-53*

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

June 29, 1956

*file*

**C**  
**O**  
**P**  
**Y**

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

Attention: Mr. R. L. Hamblin

Re: San Juan 28-5 Unit  
Rio Arriba County, New  
Mexico. Supplemental  
Drilling Program 1956.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1956 Supplemental Drilling Program, dated May 22, 1956, for the above-captioned unit area, 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.*  
A. L. PORTER, JR.,  
Secretary - Director

ALP:DSN:ds

cc: U. S. Geological Survey - Roswell

Commissioner of Public Lands - Santa Fe

*El Paso Natural Gas Company*

1956 JUN 27 El Paso, Texas

June 27, 1956

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

Re: San Juan 28-5 Unit, Tract 23  
San Juan 28-6 Unit, Tract 41

Gentlemen:

Please find enclosed one (1) copy each of the following Ratification and Joinders to the San Juan 28-5 Unit and the San Juan 28-6 Unit:

1. Ratification and Joinder of Unit Agreement dated June 20, 1956, executed by Mamie Mangum committing her basic royalty interest under Tract 41 of the San Juan 28-6 Unit.
2. Ratification and Joinder of Unit Agreement dated June 19, 1956, executed by G. H. Lobato, et ux, committing their basic royalty interest under Tract 23 of the San Juan 28-5 Unit.
3. Ratification and Joinder of Unit Agreement dated June 20, 1956, executed by Mamie Mangum committing her basic royalty interest under Tract 23 of the San Juan 28-5 Unit.

We ask that you process these Ratification and Joinders in the usual manner to effectively commit these interests to the Unit.

Very truly yours,

*James C. Vandiver*  
James C. Vandiver  
Area Landman  
Lease Department

JCV:BG:pb  
Enclosures

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

\_\_\_\_\_  
\_\_\_\_\_  
Date: 6-19-56

\_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_

SIGNATURE

G. H. Lobato  
G. H. Lobato  
Piedad Lobato  
Piedad Lobato

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

APPROVED AND CONSENTED TO:

Forrest Briller  
Working Interest Owner

APPROVED AND CONSENTED TO:  
EL PASO NATURAL GAS COMPANY  
BY R. L. H.  
Vice President  
UNIT OPERATOR



STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared

\_\_\_\_\_, to me personally known, who, being  
by me duly sworn, did say that he is the \_\_\_\_\_ President of \_\_\_\_\_  
and that the seal affixed to said instrument  
is the corporate seal of said corporation, and that said instrument was signed  
and sealed in behalf of said corporation by authority of its board of directors,  
and said \_\_\_\_\_ acknowledged said instrument to be  
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official  
seal the day and year in this certificate first above written.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF New Mexico )  
COUNTY OF San Juan ) SS.:

On this 19<sup>th</sup> day of June, 1956, before me appeared

G. H. Lobato and Piedad Lobato  
his wife, to me known to be the persons described in and who executed the fore-  
going instrument, and acknowledged to me they executed the same as their free act  
and deed.

My Commission expires:

July 15, 1959

Mabel W. Lester  
Notary Public in and for San  
Juan County,  
State of New Mexico

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me personally

appeared \_\_\_\_\_, a single person, to me known to be  
the person described in and who executed the foregoing instrument, and acknowledged  
to me that \_\_\_\_\_ he executed the same as \_\_\_\_\_ free act and deed.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

\_\_\_\_\_

  
Mamie Mangum

\_\_\_\_\_

\_\_\_\_\_

Date: 6-20-56

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

APPROVED AND CONSENTED TO:

  
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By  RRT  
Vice President

UNIT OPERATOR

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn, did say that he is the \_\_\_\_\_ President of \_\_\_\_\_ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF )  
COUNTY OF ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 195\_\_\_\_, before me appeared \_\_\_\_\_ and \_\_\_\_\_ his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:


\_\_\_\_\_  
Notary Public in and for \_\_\_\_\_  
County,  
State of \_\_\_\_\_

STATE OF NEW MEXICO )  
COUNTY OF SAN JUAN ) SS.:

On this 20th day of June, 195 6, before me personally appeared Mamie Mangum, a widow, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that \_\_\_\_\_ s he executed the same as \_\_\_\_\_ her free act and deed.

My Commission expires:

February 24, 1960

  
Notary Public in and for \_\_\_\_\_  
San Juan County,  
State of New Mexico

*Case 2-53*

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

June 29, 1956

C  
O  
P  
Y

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

Attention: Mr. R. L. Hamblin

Re: San Juan 28-5 Unit  
Rio Arriba County, New  
Mexico. Supplemental  
Drilling Program 1956.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1956 Supplemental Drilling Program, dated May 22, 1956, for the above-captioned unit area, 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.*  
A. L. PORTER, JR.,  
Secretary - Director

ALP:DSN:ds

cc: U. S. Geological Survey - Roswell

Commissioner of Public Lands - Santa Fe

MAIN OFFICE OCC

*Case 553*

1956 MAY 29 AM 8:09

May 28, 1956

In reply refer to:  
Unit Division

El Paso Natural Gas Co.  
El Paso, Texas

Re: (San Juan 28-5 Unit,  
Rio Arriba County, N. Mex.  
Supplemental Drilling  
Program - 1956)

Gentlemen:

We are returning one copy of Supplemental Drilling Program, 1956, for the San Juan 28-5 Unit Agreement, dated May 22, 1956, which was approved by the Commissioner of Public Lands May 28, 1956.

This approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

MMR/m  
enc: 1

cc: USGS-Roswell  
OCC-Santa Fe

MAIN OFFICE  
1956 MAY 23 PM 1:13  
El Paso Natural Gas Company  
El Paso, Texas

May 22, 1956

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

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

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

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Supplemental Drilling Program 1956

Gentlemen:

On December 27, 1955, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1956. This 1956 Drilling Program has been approved by the United States Geological Survey, Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commission for the State of New Mexico.

Messrs. T. H. McElvain and Forrest B. Miller requested El Paso Natural Gas Company to drill one additional Mesaverde well to be located in the S/2 of Section 34, Township 28 North, Range 5 West.

Therefore, El Paso Natural Gas Company, as Unit Operator, herewith submits for your consideration and approval a Supplemental Drilling Program for the calendar year 1956, of one (1) Mesaverde well. This program is to supplement the original drilling program of four (4) Mesaverde wells filed for your approval on December 27, 1955. This additional Mesaverde well is to be located as follows:

(1) S/2 Section 34, Township 28 North, Range 5 West.

El Paso Natural Gas Company, as Unit Operator, intends to drill the above mentioned 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" casing will be set through the Pictured Cliffs formation to a depth of approximately 3200'. From this point 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 in with gas. Due care will be taken to protect all horizons.

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

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 R. L. Hamblin  
R. L. Hamblin, Manager  
Lease Department

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
United States Geological Survey  
Subject to like approval by the proper state authorities.

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

APPROVED: A. J. Carter DATE: JUN 29 1956  
Oil Conservation Commission  
of the State of New Mexico  
Subject to like approval by the United States Geological Survey and the  
Commissioner of Public Lands

RLH:BG:eb  
cc: Attached List

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

Mr. G. E. Benskin  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. C. F. Bedford  
Stanolind Oil & Gas Company  
P. O. Box 1410  
Fort Worth, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Dudley Cornell  
Albuquerque Associated Oil Company  
824 Simms Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 335  
Santa Fe, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

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

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  
P. O. Box 1150  
Plainview, Texas

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

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

Messrs. Carl H. Gilbert and  
Morey Goodman and Mrs. Anita S.  
Friedman, Co-Executors of the  
Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. R. N. Richey  
Pacific Northwest Pipeline Corporation  
720 Simms Building  
Albuquerque, New Mexico

Mr. Jack Owens  
Pacific Northwest Pipeline Corporation  
M & M Building  
Houston, Texas



553  
MAIN OFFICE OCC *El Paso Natural Gas Company*

*El Paso, Texas*

1956 MAR 22 PM 1:25

March 21, 1956

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

*guc*  
Re: San Juan 28-5 Unit  
# 14-08-001-949  
NOTICE OF COMPLETION OF  
ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on February 7, 1956, 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.

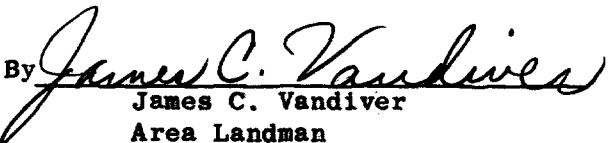
This well is the San Juan 28-5 #10 Well located 1650' from the South line and 1650' from the West line of Section 15, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on December 28, 1955 and completed on January 16, 1956 at a total depth of 5945 feet. The Cliff House section in the Mesaverde formation between 5324' and 5396' was treated with a water fracturing process on January 12, 1956. The Point Lookout section in the Mesaverde formation between 5694'-5704', 5727'-5770' and 5820'-5858' was also treated with a water fracturing process on January 11, 1956. After being shut-in for gauge for twenty-two (22) days, the well was tested on February 7, 1956, and following a three hour blow-down, gauged an IP of 5063 MCFGPD with an SIPC of 1081# and an SIPT of 1084#. The committed drilling block upon which this well is located is described as the SE/4 and the N/2 SW/4 of Section 15, Township 28 North, Range 5 West, N.M.P.M., containing 240 acres. (The S/2 SW/4 of Section 15 is excluded from the Drilling Block by Order # R-737 of the Oil Conservation Commission.)

This drilling block was included in the San Juan 28-5 Third Expanded Participating Area, effective January 1, 1955, as an intervening drilling block.

Therefore, the Participating Area is not enlarged, and the percentages allocated to the tracts shown on Schedule VI for the Fifth Expanded Participating Area remain the same.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
James C. Vandiver  
Area Landman  
Lease Department

JCV:BG:eb

cc: Attached List



IN REPLY REFER TO:

5-  
MAIN OFFICE 600  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

FEB MAY 1956 PM 1:13

P. O. Box 6721  
Roswell, New Mexico

May 28, 1956

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

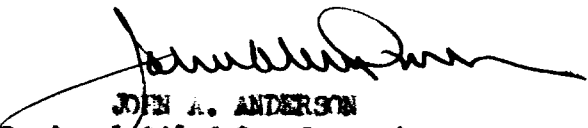
Gentlemen:

The supplemental plan of development dated May 22, 1956, for the San Juan (28-5 unit area, New Mexico, No. 14-08-001-949 has been approved on this date, subject to like approval by the appropriate State officials.

The supplemental plan provides for the drilling of one additional Mesaverde well, making a total of five Mesaverde wells to be drilled in the unit area during the year.

One approved copy of said plan is returned herewith.

Very truly yours,

  
JOHN A. ANDERSON  
Regional Oil & Gas Supervisor

Enclosure

Copy to: Cons. Div., Wash (w/1 copy of plan)  
Farmington (w/1 copy of plan)  
NMOCC, Santa Fe (ltr. only) ✓



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 6721  
Roswell, New Mexico

February 8, 1956

El Paso Natural Gas Company  
P. O. Box 11,92  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Gentlemen:

Your plan of development dated December 27, 1955, for the San Juan 28-5 unit, New Mexico, for the calendar year 1956, 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,

JOHN P. 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)  
El Paso, New Mex., Santa Fe (letter only) ✓

over 53

January 13, 1956

El Paso Natural Gas Company  
El Paso, Texas

*file*

Re: San Juan Unit Area #14-08-001-949,  
Rio Arriba County, New Mexico  
1956 Drilling Program

Gentlemen:

We are returning one copy of the (San Juan 28-5)  
Unit Area 1956 Drilling Program, dated December 27,  
1955, which was approved by the Commissioner of  
Public Lands January 13, 1956, subject to like ap-  
proval by the United States Geological Survey and  
the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

MMR/m  
enc: 1

cc: USGS-Roswell  
OCC-Santa Fe

# El Paso Natural Gas Company

El Paso, Texas

December 27, 1955

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

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

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

Re: San Juan 28-5 Unit Area  
#14-08-001-949  
Rio Arriba County, New Mexico  
1956 Drilling Program

Gentlemen:

By letter dated December 31, 1954, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the calendar year 1955, regarding the above captioned unit. This Drilling Program was approved by the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commission of the State of New Mexico. There were three (3) wells to be drilled during the calendar year 1955. The San Juan 28-5 #7 well, located in the S/2 of Section 7, Township 28 North, Range 5 West, was spudded on May 2, 1955, and completed on May 25, 1955, at a total depth of 5780'. This well had an IP of 2237 MCFGPD. It was included in the San Juan 28-5 Fourth Expanded Participating Area effective July 1, 1955. The San Juan 28-5 #8 well, located in the N/2 of Section 21, Township 28 North, Range 5 West, was spudded on May 27, 1955, and completed on June 19, 1955, at a total depth of 5880'. This well had an IP of 3937 MCFGPD and was included in the San Juan 28-5 Fifth Expanded Participating Area effective August 1, 1955. The San Juan 28-5 #9 well, located in the S/2 of Section 29, Township 28 North, Range 5 West was spudded on June 21, 1955, and completed on July 13, 1955. After being tested on July 20, 1955, this well gauged an IP of 4385 MCFGPD and was included in the San Juan 28-5 Fifth Expanded Participating Area effective August 1, 1955.

By telegram dated May 27, 1955, Pacific Northwest Pipeline Corporation requested El Paso Natural Gas Company, as Unit Operator, to submit a Supplemental Drilling Program consisting of 4 wells to be drilled on their acreage in this Unit. Therefore, El Paso Natural Gas Company, by letter dated June 25, 1955, filed a 1955 Supplemental Drilling Program for the San Juan 28-5 Unit. This Supplemental Drilling

Program was approved by the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commission of the State of New Mexico, and covered the following locations:

S/2 Section 18, T-28-N, R-5-W  
S/2 Section 19, T-28-N, R-5-W  
S/2 Section 33, T-28-N, R-5-W  
S/2 Section 35, T-28-N, R-5-W

None of the four drilling blocks mentioned above have been drilled, and Pacific Northwest Pipeline Corporation has advised us that now they do not want these wells drilled in 1956. Therefore, the completion of the San Juan 28-5 #7, #8 and #9 wells completes the Drilling Program for the calendar year 1955.

Since April 10, 1953, the effective date of the San Juan 28-5 Unit Agreement, the following wells have been completed on acreage committed to the San Juan 28-5 Unit:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Initial Potential</u>	<u>Formation</u>	<u>Tied-In</u>
San Juan 28-5 #1	N/2 Sec. 29, T-28-N, R-5-W	2310 m.c.f.	Mesaverde	10-25-55
San Juan 28-5 #2	S/2 Sec. 14, T-28-N, R-5-W	1235 m.c.f.	Mesaverde	12-7-54
San Juan 28-5 #3	S/2 Sec. 26, T-28-N, R-5-W	673 m.c.f.	Mesaverde	No
San Juan 28-5 #4	N/2 Sec. 19, T-28-N, R-5-W	2300 m.c.f.	Mesaverde	No
San Juan 28-5 #6	S/2 Sec. 16, T-28-N, R-5-W	3221 m.c.f.	Mesaverde	12-8-54
San Juan 28-5 #7	S/2 (All) Sec. 8, 28-N, 5-W	2237 m.c.f.	Mesaverde	No
San Juan 28-5 #8	N/2 Sec. 21, T-28-N, R-5-W	3937 m.c.f.	Mesaverde	No
San Juan 28-5 #9	S/2 Sec. 29, T-28-N, R-5-W	4385 m.c.f.	Mesaverde	12-7-55

The San Juan 28-5 Mesa 2-30 well, located in the N/2 of Section 30, Township 28 North, Range 5 West, was spudded on August 30, 1953, by Phillips Petroleum Company. This well was temporarily abandoned and was turned over to the Unit Operator by Phillips Petroleum Company. This well has never been completed.

The San Juan 28-5 #3 well, located in the S/2 of Section 26, Township 28 North, Range 5 West, was spudded on November 24, 1953, and completed at a total depth of 6058'. After being shut-in for gauge, this well was tested on March 5, 1954, and gauged an IP of 404 MCFGPD. On April 27, 1954, this well was retested and at that time gauged an IP of 673 MCFGPD. This well was declared non-commercial.

The total production for the San Juan 28-5 Unit Mesaverde Participating Area from January 1, 1955, through October 31, 1955, is 34,250 m.c.f. The total value in sales is \$4,165.65. This figure includes total sale of natural gas, butane, propane, gasoline, and condensate.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1956, consisting of four (4) wells to be drilled to the Mesaverde formation; such Drilling Program to constitute all of our drilling obligations for such year. The proposed drilling blocks are as follows:

<u>Drilling Block</u>	<u>Formation</u>
S/2 (All) Sec. 7, T-28-N, R-5-W	Mesaverde
S/2 (All) Sec. 9, T-28-N, R-5-W	Mesaverde
N/2 Sec. 20, T-28-N, R-5-W	Mesaverde
S/2 Sec. 15, T-28-N, R-5-W	Mesaverde

The S/2 of Section 15, Township 28 North, Range 5 West is an intervening drilling block and was brought into the Participating Area effective January 1, 1955. A well is required under Section 11 (a) of the San Juan 28-5 Unit Agreement and must be commenced on said drilling block before January 1, 1956; therefore, El Paso Natural Gas Company, as Unit Operator, will have to spud this well before January 1, 1956, and before approval of this Drilling Program can be obtained.

El Paso Natural Gas Company, as Unit Operator, intends to drill all of the above mentioned 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" casing will be set through the Pictured Cliffs formation to a depth of approximately 3200'. From this point 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 in with gas. Due care will be taken to protect all horizons.

El Paso Natural Gas Company, as Unit Operator, will comply with any requirements set out by the United States Geological Survey for additional drilling and will also protect the Unit from drainage.

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

If this program is acceptable, please signify your approval of this Drilling Program 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.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
R. L. Hamblin, Manager  
Lease Department

RLH:BG:pb  
cc: Attached List



APPROVED: United States Geological Survey

Date: \_\_\_\_\_

Subject to like approval by the proper State authorities.

APPROVED: Commissioner of Public Lands

Date: \_\_\_\_\_

Subject to like approval by the U.S.G.S. and Oil Conservation Commission

APPROVED: W B Macey  
Oil Conservation Commission

Date: JAN 30 1956

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands

Re: San Juan 28-5 Unit

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

Mr. G. E. Benskin  
Phillips Petroleum Company  
508 Bank Building  
Bartlesville, Oklahoma

Mr. William P. Barnes  
General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas

Mr. C. F. Bedford  
Stanolind Oil & Gas Company  
Post Office Box 1410  
Fort Worth, Texas

Mr. Thomas F. Harrington  
615 Simms Building  
Albuquerque, New Mexico

Mr. Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

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

Mr. James Brown, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. James A. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn G. Brown  
14 Axtell Drive  
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee  
for Evelyn Ellen Wallace  
14 Axtell Drive  
Scarsdale, New York

Mr. Dudley Cornell  
Albuquerque Associated Oil Company  
First National Bank Building  
Albuquerque, New Mexico

Mr. Joe Quinn  
P. O. Box 335  
Santa Fe, New Mexico

Mr. J. R. Abercrombie  
P. O. Box 335  
Santa Fe, New Mexico

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

Mrs. Omega E. Quinn  
Post Office Box 896  
Albuquerque, New Mexico

Mr. Robert P. Tinnin  
Post Office Box 896  
Albuquerque, New Mexico

Mr. H. O. Pool  
Post Office Box 1150  
Plainview, Texas

Mr. W. E. Alsup  
1247 Shafter Street  
San Mateo, California

Mr. T. H. McElvain  
220 Shelby Street  
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Messrs. Carl H. Gilbert and  
Morey Goodman and Mrs. Anita S.  
Friedman, Co-Executors of the  
Estate of N. B. Stern, Deceased  
Bishop Building  
Santa Fe, New Mexico

Mr. R. N. Richey  
Pacific Northwest Pipeline Corporation  
720 Simms Building  
Albuquerque, New Mexico

Mr. Jack Owens  
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Houston, Texas