



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 6721
Roswell, New Mexico

December 6, 1956

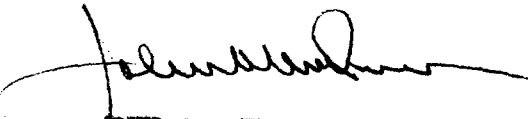
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Gentlemen:

Your supplemental plan of development for the San Juan 29-7 Unit, Elko Arriba County, New Mexico, covering the remainder of the calendar year for 1956, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One copy of the plan of development showing such approval is returned herewith.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Encl..1

Copy to: Commissioner of Public Land, Santa Fe (Letter only)
✓ Oil Conservation Commission, Santa Fe (Letter only)

6-14
El Paso Natural Gas Company

El Paso, Texas

December 6, 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 29-7 Unit
#14-08-001-1650
NOTICE OF COMPLETION
OF ADDITIONAL WELLS

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-7 Unit Agreement #14-08-001-1650, approved September 3, 1954, El Paso Natural Gas Company, as Unit Operator, determined on September 7, 1956, September 9, 1956, and October 24, 1956, that four (4) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation had been completed upon acreage committed to the Unit:

These wells are as follows:

1. The San Juan 29-7 #48 Well located 1100' from the North line and 1115' from the East line of Section 8, Township 29 North, Range 7 West, Rio Arriba County, New Mexico, was spudded on July 22, 1956, and completed on August 26, 1956, at a total depth of 5375' in the Mesaverde Formation. The Cliff House section of the Mesaverde Formation between 4770' and 4862', and 4876' and 4884', was treated with a sand-water fracturing process. The Point Lookout section of the Mesaverde Formation between 5232' and 5292', was also treated with a sand-water fracturing process. After being shut-in for fourteen days, the well was tested on September 9, 1956, and following a three hour blow-down period gauged 5,802 MCFGPD through a 3/4" choke and 13,385 MCFGPD by the calculated absolute open flow method, with an SIPC of 1060# and an SIPT of 1053#. The committed drilling block upon which this well is located is described as

the E/2 of Section 8, Township 29 North, Range 7 West, N.M.P.M., containing 320 acres.

The committed drilling block upon which this well is located was included in the Fourth Expanded Participating Area for the Mesaverde Formation, effective August 1, 1955. Therefore, the Participating Area is not enlarged and the percentages allocated to the tracts shown on Schedule V for the Fourth Expanded Participating Area remain the same.

2. The San Juan 29-7 #49 Well located 790' from the North line, and 850' from the East line of Section 20, Township 29 North, Range 7 West, Rio Arriba County, New Mexico, was spudded on August 3, 1956, and completed on September 11, 1956, at a total depth of 5517' in the Mesaverde Formation. The Cliff House section of the Mesaverde Formation between 4880' and 4936', and 4950' and 5965', was treated with a sand-water fracturing process. The Point Lookout section of the Mesaverde Formation between 5275' and 5315', was also treated with a sand-water fracturing process. After being shut-in for forty-three days, the well was tested on October 24, 1956, and following a three hour blow-down period gauged 5,135 MCFGPD through a 3/4" choke and 16,843 MCFGPD by the calculated absolute open flow method, with an SIPC of 1075# and an SIPT of 1054#.

The committed drilling block upon which this well is located is described as the E/2 of Section 20, Township 29 North, Range 7 West, N.M.P.M., containing 320 acres.

The committed drilling block upon which this well is located was included in the Fifth Expanded Participating Area for the Mesaverde Formation, effective September 1, 1955. 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.

3. The San Juan 29-7 #50 Well located 1959' from the North line, and 1850' from the East line of Section 21, Township 29 North, Range 7 West, Rio Arriba County, New Mexico, was spudded on August 22, 1956, and completed on September 30, 1956, at a total depth of 5887' in the Mesaverde Formation. The Cliff House section of the Mesaverde Formation between 5282' and 5360', was treated with a sand-water fracturing process. The Point Lookout section of the Mesaverde Formation between 5721' and 5788',

and 5796' and 5808', was also treated with a sand-water fracturing process. After being shut-in for twenty-four days, the well was tested on October 24, 1956, and following a three hour blow-down period gauged 5,924 MCFGPD through a 3/4" choke and 15,521 MCFGPD by the calculated absolute open flow method, with an SIPC of 1068# and an SIPT of 1057#. The committed drilling block upon which this well is located is described as the E/2 of Section 21, Township 29 North, Range 7 West, N.M.P.M., containing 320 acres.

The committed drilling block upon which this well is located was included in the Fifth Expanded Participating Area for the Mesaverde Formation, effective September 1, 1955. 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.

4. The San Juan 29-7 #51 Well located 1520' from the South line and 970' from the West line of Section 21, Township 29 North, Range 7 West, Rio Arriba County, New Mexico, was spudded on July 25, 1956, and completed on August 26, 1956, at a total depth of 5990' in the Mesaverde Formation. The Cliff House section of the Mesaverde Formation between 5340' and 5450', was treated with a sand-water fracturing process. The Point Lookout section of the Mesaverde Formation between 5788' and 5904', was also treated with a sand-water fracturing process. After being shut-in for twelve days, the well was tested on September 7, 1956, and following a three hour blow-down period gauged 5,346 MCFGPD through a 3/4" choke and 12,750 MCFGPD by the calculated absolute open flow method, with an SIPC of 1045#, and an SIPT of 1039#. The committed drilling block upon which this well is located is described as the W/2 of Section 21, Township 29 North, Range 7 West, N.M.P.M., containing 320 acres.

The committed drilling block upon which this well is located was included in the Fifth Expanded Participating Area for the Mesaverde Formation, effective September 1, 1955. 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


Joe W. Cherry
Area Landman
Lease Department

JWC:RDJ:cr

cc: Attached List

El Paso Natural Gas Company

El Paso, Texas

November 27, 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

12/1/56
yes
return to JSC

Re: San Juan 29-7 Unit, #14-08-001-1650
Rio Arriba County, New Mexico
SUPPLEMENTAL DRILLING PROGRAM 1956

Gentlemen:

On December 21, 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 of the State of New Mexico.

Pacific Northwest Pipeline Corporation and Southern Union Gas Company have requested permission from El Paso Natural Gas Company, as Unit Operator, to drill in the Mesaverde formation a well to be located in the W/2 of Section 14, Township 29 North, Range 7 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) well to be completed in the Mesaverde formation. This program is to supplement the original drilling program of six (6) Mesaverde wells filed for your approval on December 21, 1955. This additional well is to be located as follows:

- (1) W/2 Section 14, Township 29 North, Range 7 West, N.M.P.M.

Pacific Northwest Pipeline Corporation will use a three-string casing program consisting of either 10-3/4 inch surface, 7-5/8 inch intermediate and 5-1/2 inch liner or 9-5/8 inch surface, 7 inch intermediate and 5 inch liner. The intermediate casing will be set into the Lewis shale and the liner will be set at total

depth in the Point Lookout. Water or minimum mud will be used for drilling to set surface and intermediate casing strings, and gas will be used for drilling the remainder of the hole. There are no drill stem tests or cores planned. The well will be completed in one or more zones of the Mesaverde with the zone or zones being fractured individually through perforations. Two inch EUE tubing will be hung approximately 50 feet off bottom. There will be no surface equipment for production installed at the present time.

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

RLH:RDJ:nb

Attachment

cc: Attached List

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

San Juan 29-7 Unit
Working Interest Owner

Mr. R. N. Richey (4)
Mr. M. A. Ehrlich (1)
Pacific Northwest Pipeline Corporation
Post Office Box 1526
Salt Lake City, Utah

Mr. R. A. Brown
Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
301 Korber Building
Albuquerque, New Mexico

Mr. Howard W. McDade
Southern Union Gas Company
1104 Burt Building
Dallas 1, Texas

Mr. H. L. Snider, Jr.
Aztec Oil & Gas Company
920 Mercantile Securities Bldg.
Dallas 1, Texas

Three States Natural Gas Company
17th Floor, Corrigan Tower
Dallas 1, Texas

Skelly Oil Company
Post Office Box 1650
Tulsa 2, Oklahoma

Western Natural Gas Company
1006 Main Street
Houston 2, Texas

Mr. D. H. Bolin
1120 Oil & Gas Building
Wichita Falls, Texas

Mr. J. A. Pierce
Aztec, New Mexico

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

Mr. Morris Mizel
905 Kennedy Building
Tulsa, Oklahoma

Mr. F. G. Daniell
Mr. Robert C. Youngmun
Pubco Petroleum Corporation
Post Office Box 1419
Albuquerque, New Mexico

Mr. C. F. Bedford (3)
Stanolind Oil and Gas Company
Post Office Box 1410
Fort Worth, Texas

Stanolind Oil and Gas Company
Post Office Box 1714
Albuquerque, New Mexico

Mr. Jack Martin
Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. N. B. Venus, Jr.
Tennessee Gas Transmission Company
Post Office Box 2125
Salt Lake City 10, Utah

San Jacinto Petroleum Corporation
San Jacinto Building
Houston 2, Texas

Albuquerque Associated Oil Company
824 Simms Building
Albuquerque, New Mexico

Northwood Oil Company
6020 Northwood Drive
Dallas, Texas

Mr. Tom Bolack
1010 North Dustin
Farmington, New Mexico

Mr. J. M. Clark
4163 Marble, NE
Albuquerque, New Mexico

El Paso Natural Gas Company

El Paso, Texas

August 30, 1956

file

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

Re: San Juan 29-7 Unit
Tracts 38, 39 and 40

Gentlemen:

Enclosed please find one (1) copy of the Ratification and Joinder of the Unit Agreement executed by Horace F. McKay, Jr., et ux, committing their basic royalty under various tracts to the above captioned unit.

Mr. McKay's interest in this unit was formerly committed by Ratification and Joinder executed May 25, 1954, however part of this land was subject to a quiet title suit which has now been settled in favor of Horace F. McKay, Jr.. In order to insure that all acreage belonging to Mr. McKay is effectively committed to this unit, it is requested that you process this in the usual manner.

Very truly yours,

James C. Vandiver

James C. Vandiver
Area Landman
Lease Department

JCV:RDJ:cr
Enclosure

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan 29-7 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 area 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 SE

Albuquerque, New Mexico

Date: June 28, 1956

Date: _____

Date: _____

SIGNATURE

[Signature]
[Signature]

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY

BY [Signature]
Working Interest Owner
Date: JUL 10 1956

APPROVED

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY [Signature]
Vice-President
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature] RTH
Vice President

UNIT OPERATOR

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

On this 28th day of June, 1956, before me personally appeared

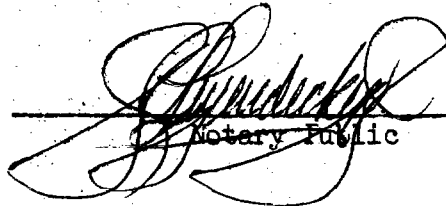
Horace F. McKay and Elmyra K. McKay, husband and wife

to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that 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 above written.

My commission expires:

My Commission Expires June 17, 1959



Notary Public

STATE OF _____)
COUNTY OF _____) SS

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 _____)
COUNTY OF _____) SS

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

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan 29-7 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

P.O. Box 15

Blanco, N.M.

Date: April 6, 1956

Date: _____

SIGNATURE

Juan L. Lopez
Dorotea Valdez Lopez

Date: _____
Approved and Consented to:
STANOLINE OIL AND GAS COMPANY
By: [Signature]
Vice-President
Working Interest Owner

APPROVED

Date: APR 17 1956

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
By: [Signature]
Vice-President
Working Interest Owner

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By: [Signature]
Vice President
UNIT OPERATOR

STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) SS

On this 6th day of April, 1956, before me personally appeared

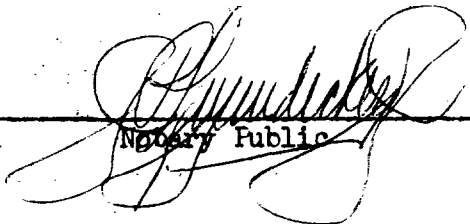
Juan I. Lopez and Dorotea Valdez Lopez, being husband and wife

to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that 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 above written.

My commission expires:

June 17, 1959



Notary Public

STATE OF _____)
COUNTY OF _____) SS

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 _____)
COUNTY OF _____) SS

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 _____)
COUNTY OF _____)

On this 17th day of April, 1956, before me appeared
F. J. SCHEMPF, to me personally known, who being
by me duly sworn, did say that he is the Vice President of _____
STANOLIND OIL AND GAS COMPANY and that the seal affixed to said instru-
ment 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 F. J. SCHEMPF acknowl-
edged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal this 17th day of _____
April, 1956.

My commission expires:

My Commission Expires October 4, 1959

Maxine McAdams

Notary Public Maxine McAdams

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 19____, 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 instru-
ment 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 _____ acknowl-
edged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal this _____ day of _____
_____, 19____.

My commission expires:

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 19____, 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 instru-
ment 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 _____ acknowl-
edged said instrument to be the free act and deed of said corporation.

Given under my hand and notarial seal this _____ day of _____
_____, 19____.

My commission expires:

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan 29-7 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

Durango, Colo.

786 6th Ave.

Date: April 19, 1956

Date: _____

Date: _____

Approved and Consented to:

By: T. H. McElvain

T. H. McElvain, Working Interest Owner

Date: 5/2/56

SIGNATURE

Della T. Griffith
Della T. Griffith

Approved and Consented to:

PACIFIC NORTHWEST PIPELINE CORPORATION

By: _____

Vice-President

Working Interest Owner

APPROVED AND CONSENTED TO:

BY: T. H. McElvain R. L. H.

DATE: 5/2/56

UNIT OPERATOR

STATE OF COLORADO }
COUNTY OF LA PLATA }
SS }
On this 20th day of April, 1956, before me personally appeared

Delia T. Griffith, a widow, by virtue of husband's death

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her 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: _____
My Commission expires March 2, 1959

Robert C. Shinn
Notary Public

STATE OF New Mexico }
COUNTY OF Bernalillo }
SS }

On this 2nd day of May, 1956, before me personally appeared

J. H. Morrison

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his 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: _____

MY COMMISSION EXPIRES APRIL 14, 1959

Shannon M. Russell
Notary Public

STATE OF _____ }
COUNTY OF _____ }
SS }

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

MAIN OFFICE OGC
1956 MAY 22 PM 1:14
file

May 22, 1956

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

Re: San Juan 29-7 Unit, Tract 42

Gentlemen:

Please find enclosed one (1) copy of each of the following
Ratification and Joinders of the San Juan 29-7 Unit Agreement:

1. Ratification and Joinder of Unit Agreement
executed by Juan I. Lopez, et ux, committing
their basic royalty interest under Tract 42.
2. Ratification and Joinder of Unit Agreement
executed by Della T. Griffith committing
her basic royalty interest under Tract 42.

We ask that you process these Ratification and Joinders in
the usual manner to effectively commit these interests.

Very truly yours,

James C. Vandiver

James C. Vandiver
Area Landman
Lease Department

JCV:BG:pb
Enclosures

Tract 42

El Paso Natural Gas Company

El Paso, Texas

May 3, 1956

Case 674

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

file

Re: (San Juan 29-7 Unit)
Tract 34

Gentlemen:

Please find enclosed one (1) copy of each of the following listed instruments:

1. Ratification and Joinder of Unit Agreement, San Juan 29-7 Unit, executed by Albuquerque Associated Oil Company.
2. Ratification and Joinder of Unit Operating Agreement, San Juan 29-7 Unit, executed by Albuquerque Associated Oil Company.
3. Ratification and Joinder of Unit Agreement, San Juan 29-7 Unit, executed by Adolph Soens, et ux.
4. Ratification and Joinder of Unit Agreement, San Juan 29-7 Unit, executed by J. A. Pierce, et ux.
5. Ratification and Joinder of Unit Operating Agreement, San Juan 29-7 Unit, executed by J. A. Pierce, et ux.

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

ment for the

for the 8:20

for the 8:20

SIGNATURE

ALBUQUERQUE ASSOCIATED OIL COMPANY

By *Wesley J. ...*
Vice President

xKxXxPlemon
WoxlxkxXTktfexetfxOxyx

APPROVED AND CONSENTED TO:
PASO NATURAL GAS COMPANY
By [Signature] RTH
Vice President
UNIT OPERATOR & WORKING INTEREST OWNER

STATE OF NEW MEXICO)
) SS.:
COUNTY OF BERNALILLO)

On this 14th day of March, 1956, before me appeared

DUDLEY CORNELL, to me personally known, who, being by me duly sworn, did say that he is the President of ALBUQUERQUE ASSOCIATED OIL COMPANY 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 Dudley Cornell 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:

September 30, 1959

Mark W Radcliffe

Notary Public in and for _____
Bernalillo County,
State of New Mexico

STATE OF)
) SS.:
COUNTY OF)

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)
) 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 _____

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29-7 Unit

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29-7 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

SIGNATURE

ATTEST: _____

ALBUQUERQUE ASSOCIATED OIL COMPANY

John H. Radcliff
Assistant Secretary

By Deorjunn
Vice President

Date: 3/14/56

Date: _____

~~APPROVED AND CONSENTED TO:~~

By _____
~~xxx xxx Pierce~~
~~Working Interest Owner~~

APPROVED AND CONSENTED TO:
PAO NATURAL GAS COMPANY
By Deorjunn RHT
Vice President
UNIT OPERATOR & WORKING INTEREST OWNER

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

)
)
)

On this 14th day of March, 1956, before me appeared DUDLEY CORNELL, to me personally known, who being by me duly sworn did say that he is the President of ALBUQUERQUE ASSOCIATED OIL 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 Dudley Cornell 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:

September 30, 1959

Notary Public

Mark N. Roddy

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 29-7 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

Durango, N.M.

Date: _____

Date: _____

APPROVED AND CONSENTED TO:

BY J. A. Pierce
J. A. Pierce
WORKING INTEREST OWNER

SIGNATURE

Adolph Soens
Adolph Soens

J. Christine Soens
J. Christine Soens

APPROVED AND CONSENTED TO:
ALBUQUERQUE ASSOCIATED OIL COMPANY

BY [Signature]
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY

By [Signature] R2H
Vice President

UNIT OPERATOR & WORKING INTEREST OWNER

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 Colorado)
COUNTY OF La Plata) SS.:

On this 19 day of December, 1955, before me appeared

Adolph Soens and Christine Soens
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: _____

My Commission expires May 3, 1958

Wallace F. Cowen
Notary Public in and for _____
La Plata County,
State of Colorado

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 29-7 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

Hator. Row

"

Date: Dec 30. 1955

Date: DEC 20 1955

APPROVED AND CONSENTED TO:
ALBUQUERQUE ASSOCIATED OIL COMPANY

By [Signature]
President
WORKING INTEREST OWNER

SIGNATURE

[Signature]

J. A. Pierce
Katharine L. Pierce
Katharine L. Pierce

APPROVED AND CONSENTED TO:
EL PASO ASSOCIATED OIL COMPANY
By [Signature] R 24
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 30 day of November, 1955, before me appeared

J.A.Pierce and Katherine L.Pierce
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:

My Commission expires April 16, 1958

Ruth Sampson
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 OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29-7 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 29-7 Unit Area, 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

J. A. Pierce

SIGNATURE

J. A. Pierce

Katharine L. Pierce
Katharine L. Pierce

Date:

Nov 30 1955

Date:

NOV 30 1955

STATE OF

COUNTY OF

SS.:

On this 30 day of NOVEMBER, 1955, before me personally appeared J. A. Pierce and Katharine L. Pierce his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that 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 above written.

My Commission expires:

My Commission expires April 16, 1958

Ruth Sampson
Notary Public in and for San Juan County, State of New Mexico

APPROVED AND CONSENTED TO:
ALBUQUERQUE ASSOCIATED OIL CO.

APPROVED AND CONSENTED TO:
EL PASO PETROLEUM COMPANY

By

[Signature]
Vice President

UNIT OPERATOR

By [Signature]
President

WORKING INTEREST OWNER

DEC 29 1955



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 1492
El Paso, Texas

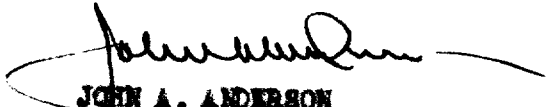
Attention: Mr. R. L. Hamblin

Gentlemen:

Your plan of development dated December 21, 1955, for the San Juan 29-7 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 A. ANDERSON
Regional Oil & Gas Supervisor

Enclosure

Copy to: Wash (w/copy of plan)
Comm. of Public Lands, Santa Fe (Ltr. only)
Oil Cons. Comm. Santa Fe (Ltr. only) ✓

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 30, 1956

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

Attention: Mr. R. L. Hamblin

file
Re: (San Juan 29-7)
Rio Arriba County, New Mexico
1956 Drilling Program

Gentlemen:

This is to advise that the Drilling Program for calendar year 1956 for the San Juan 29-7 Unit Area, dated December 21, 1955 has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

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

C
O
P
Y

Case 674

Unit Division

January 17, 1956

El Paso Natural Gas Company
El Paso, Texas

file

Re: (San Juan 29-7 Unit)
Rio Arriba County, N. Mex.
1956 Drilling Program

Gentlemen:

We are enclosing one copy of the San Juan 29-7 Unit 1956 Drilling Program, which was approved by the Commissioner of Public Lands as of January 17, 1956, 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
enci 1

cc: USGS-Roswell
OCC-Santa Fe

El Paso Natural Gas Company

El Paso, Texas
December 21, 1955

PLEASE RETURN TO
LEASE DEPARTMENT

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 29-7 Unit
#14-08-001-1650
Rio Arriba County, New Mexico
1956 Drilling Program

Gentlemen:

By letter dated December 30, 1954, El Paso Natural Gas Company filed a Drilling Program for the calendar year 1955, 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 Drilling Program called for the drilling of twelve wells to be drilled to the Mesa-verde formation. All of these wells have been completed on acreage committed to the Unit and have been included in a Participating Area. Therefore, with the completion of these twelve wells, the Drilling Program for the San Juan 29-7 Unit for the calendar year 1955 has been satisfied.

As of this date there have been 44 wells completed in this Unit capable of producing unitized substances in paying quantities. All of these 44 wells have been included in Participating Areas. The San Juan 29-7 #43 well, located in the SW/4 of Section 8, Township 29 North, Range 7 West is the only well of the 44 wells that has not been tied-in to the gathering system.

There has been a total production of 1,401,982 m.c.f. in the San Juan 29-7 Unit for the first ten months of 1955. The production figured is on the basis of all natural gas, butane, propane, gasoline and condensate. The total value in sales from these products is \$174,206.02.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of its Drilling Program for the calendar year 1956, consisting of six (6) 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>
E/2 Section 7, T-29-N, R-7-W	Mesaverde
E/2 Section 8, T-29-N, R-7-W	Mesaverde
E/2 Section 20, T-29-N, R-7-W	Mesaverde
E/2 Section 21, T-29-N, R-7-W	Mesaverde
W/2 Section 21, T-29-N, R-7-W	Mesaverde
E/2 Section 27, T-29-N, R-7-W	Mesaverde

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 proposed 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
R. L. Hamblin, Manager
Lease Department

RLH:BG:pb
cc: Attached List

APPROVED: _____
Director, United States Geological Survey

DATE: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____
Commissioner of Public Lands

DATE: _____

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: 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 29-7 Unit

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

Mr. J. M. Clark
Mr. R. N. Richey
Pacific Northwest Pipeline Corporation
720 Simms Building
Albuquerque, New Mexico

Mr. Howard W. McDade
Southern Union Gas Company
1104 Burt Building
Dallas 1, Texas

Mr. R. B. Slay
Three States Natural Gas Company
17th Floor, Corrigan Tower
Dallas 1, Texas

San Jacinto Petroleum Corp.
San Jacinto Building
Houston 2, Texas

Skelly Oil Company
Post Office Box 1650
Tulsa 2, Oklahoma

Mr. D. H. Bolin
1120 Oil and Gas Building
Wichita Falls, Texas

Mr. Morris Mizel
905 Kennedy Building
Tulsa, Oklahoma

Mr. R. W. Bolack
210 Massachusetts
Winfield, Kansas

Mr. Tom Bolack
1010 North Dustin
Farmington, New Mexico

Northwood Oil Company
6020 Northwood Drive
Dallas, Texas

Mr. J. A. Pierce
Aztec, New Mexico

Mr. Robert C. Youngmun
Mr. F. G. Daniell
Pubco Development, Inc.
Post Office Box 1419
Albuquerque, New Mexico

Mr. Jack Martin
Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

Mr. G. E. Benskin
Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma

Mr. Leo R. Manning
2321 Candelaria Road
Albuquerque, New Mexico

Stanolind Oil and Gas Company
Post Office Box 1410
Fort Worth 1, Texas

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

Aztec Oil and Gas Company
920 Mercantile Securities Building
Dallas 1, Texas

Albuquerque Associated Oil Company
824 Simms Building
Albuquerque, New Mexico

Tennessee Gas Transmission Company
Post Office Box 2511
Houston 1, Texas

Mr. Charles E. Taylor, Jr.
Tennessee Gas Transmission Company
Post Office Box 2410
Denver 1, Colorado

674
El Paso Natural Gas Company

El Paso, Texas

December 13, 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

File

Re: San Juan 29-7 Unit
14-08-001-1650
NOTICE OF COMPLETION OF
ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-7 Unit Agreement, # 14-08-001-1650, approved September 3, 1954, 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 29-7 #37 Well located 1001' from the South line and 1650' from the West line of Section 12, Township 29 North, Range 7 West, Rio Arriba County, New Mexico, was spudded on October 2, 1955, and completed on October 30, 1955, at a total depth of 5450'. The intervals in the Cliff House section in the Mesaverde Formation between 4906' and 4935', 4953' and 4982', and 4992' and 5004' were treated with an aqua-frac process on October 29, 1955. The intervals in the Point Look-out section in the Mesaverde Formation between 5340' and 5370', and 5400' and 5424' were also treated with an aqua-frac process on October 28, 1955. After being shut-in for gauge for ten (10) days, the well was tested on November 9, 1955, and

following a three hour blow-down, gauged an IP of 5637 MCFGPD with an SIPC of 1093# and an SIPT of 1090#. The committed drilling block upon which this well is located is described as the W/2 of Section 12, Township 29 North, Range 7 West, N.M.P.M., containing 320 acres.

This drilling block was included in the San Juan 29-7 First Expanded Participating Area, effective November 1, 1954, 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



T. W. Bittick
Area Landman
Lease Department

TWB:BG:rb

cc: Attached list

El Paso Natural Gas Company

El Paso, Texas

October 4, 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

file
#674

Re: (San Juan 29-7 Unit) #14-08-001-1650
FIFTH EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective September 1, 1955

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-7 Unit Agreement, #14-08-001-1650, approved September 3, 1954, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that two additional wells capable of producing unitized substances in paying quantities from the Mesaverde formation have been completed upon committed acreage to this Unit and the Participating Area for the Mesaverde formation is accordingly expanded.

These wells are as follows:

1. The San Juan 29-7 Unit # 40 well is located 830' from the North line and 840' from the East line of Section 28, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on July 13, 1955, and completed on July 31, 1955 at a total depth of 5990'. The Cliff House section of the Mesaverde formation between 5200' and 5480' was treated with a sand-oil fracturing process on July 28, 1955. The Point Lookout section of the Mesaverde formation between 5773' and 5990' was also treated with a sand-oil fracturing process on July 30, 1955. After being shut-in for gauge for seventeen days, the well was tested on August 17, 1955, and after a three hour blow-down, gauged an IP of 4206 MCFGPD with an SIPC of 1066# and an SIPT of 1059#. The committed drilling block upon which this well is located is described as the E/2 of Section 28, Township 29 North, Range 7 West, N.M.P.M., consisting of 320.00 acres.

2. The San Juan 29-7 # 41 well is located 1620' from the South line and 890' from the West line of Section 28, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on June 21, 1955, and completed on July 9, 1955, at a total depth of 5640'. The Cliff House section of the Mesaverde formation between 4800' and 5110' was treated with a sand-oil fracturing process on July 6, 1955. The Point Lookout section of the Mesaverde formation between 5431' and 5640' was also treated with a sand-oil fracturing process on July 8, 1955. After being shut-in for gauge for thirty-one days, the well was tested on August 9, 1955, and after a three hour blow-down gauged an IP of 6264 MCFGPD with an SIPC of 1092#. The committed drilling block upon which this well is located is described as the W/2 of Section 28, Township 29 North, Range 7 West, N.M.P.M., consisting of 320.00 acres.

With the admission of these two (2) wells to the Participating Area, there are two (2) intervening drilling blocks created. They are as follows: E/2 of Section 21 and W/2 of Section 21, Township 29 North, Range 7 West. The completion of the San Juan 29-7 # 44 well, located on an intervening drilling block described as the E/2 of Section 17, Township 29 North, Range 7 West creates a new intervening drilling block. It is described as follows: E/2 of Section 20, Township 29 North, Range 7 West. Each of these three intervening drilling blocks consists of 320.00 acres. Under the terms of the Unit Agreement, these intervening drilling blocks are admitted to the Participating Area on September 1, 1955, and a well must be commenced on each of said intervening drilling blocks by September 1, 1956.

Attached is Schedule VI showing the Fifth Expanded Participating Area for the Mesaverde formation for the San Juan 29-7 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tracts. 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, 1955.

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 
R. L. Hamblin, Manager
Lease Department

RLH:BG:pb
cc: Attached List

El Paso Natural Gas Company

El Paso, Texas

September 28, 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 29-7 Unit
No. 14-08-001-1650
REVISED FOURTH EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective August 1, 1955

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-7 Unit Agreement, No. 14-08-001-1650, approved September 3, 1954, 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 committed acreage to this Unit and the Participating Area for the Mesaverde Formation is accordingly expanded.

This well is as follows:

The San Juan 29-7 Unit # 42 Well is located 1600' from the North line and 1100' from the East line of Section 29, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on May 27, 1955, and completed on June 18, 1955 at a total depth of 5435'. The Cliff House Section of the Mesaverde Formation between 4685' and 5935' was treated with a sand-oil fracturing process on June 14, 1955. The Point Lookout Section of the Mesaverde Formation between 5126' and 5445' was also treated with a sand-oil fracturing process on June 18, 1955. After being shut-in for gauge for twenty-three days, the well was tested on July 11, 1955, and after a three hour blow-down gauged an IP of 5279 MCFGPD with an SIPC of 1085# and an SIPT of 1081#. The committed drilling block upon which this well is located is described as the E/2 of Section 29, Township 29 North, Range 7 West, N.M.P.M., which according to our information consists of 320 acres.

El Paso Natural Gas Company

El Paso, Texas

September 15, 1955

file

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

Re: San Juan 29-7 Unit
Tract 37-B
Ratification and
Joinders

Gentlemen:

Attached hereto please find the following:

1. Photostatic copy of Ratification and Joinder to the San Juan 29-7 Unit Agreement executed by Ethel R. Emigh committing her basic royalty interest.
2. Photostatic copy of Ratification and Joinder to the San Juan 29-7 Unit Agreement executed by James L. Russell committing his basic royalty interest.
3. Photostatic copy of Ratification and Joinder to the San Juan 29-7 Unit Agreement executed by James M. Noland committing his basic royalty interest.
4. Photostatic copy of Ratification and Joinder to the San Juan 29-7 Unit Agreement executed by George A. Frank et ux committing their basic royalty interest.
5. Photostatic copy of Ratification and Joinder to the San Juan 29-7 Unit Agreement executed by Paul Ritter committing his basic royalty interest.
6. Photostatic copy of Ratification and Joinder to the San Juan 29-7 Unit Agreement executed by Rollin Ritter committing his basic royalty interest.

Oil Conservation Commission
Re: San Juan 29-7 Unit
Ratification & Joinders
September 15, 1955

Page 2

These Ratification and Joinders are committing interests that were acquired from Adolph Soens in April and December of 1931 by the above named persons, but through some oversight never appeared in the Exhibit "B" as Basic Royalty Owners. They were furnished to El Paso Natural Gas Company by Stanolind Oil and Gas Company, and they have advised us that they are able to furnish only one executed copy of each of these Ratification and Joinders. These executed copies were forwarded to the United States Geological Survey along with photostatic copies and the United States Geological Survey has retained the executed copies for their files.

We ask that you process these in the usual manner in order to effectively commit these interests to the Unit.

With kindest regards, we remain

Very truly yours,



T. W. Bittick
Area Landman
Lease Department

TWB:BG:rb
Enclosures

There are two intervening drilling blocks created due to the completion of the San Juan 29-7 # 43 Well. They are located as follows: E/2 of Section 7 and the E/2 of Section 8, Township 29 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico. Each drilling block consists of 320 acres. Under the terms of the Unit Agreement these intervening drilling blocks are admitted to the Participating Area effective August 1, 1955, and wells must be commenced on said intervening drilling blocks by August 1, 1956.

Attached is Schedule V showing the Revised Fourth Expanded Participating Area for the Mesaverde Formation for the San Juan 29-7 Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tracts. 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, 1955.

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 R. L. Hamblin
R. L. Hamblin
Manager
Lease Department

RLH/BG/eb

cc: Attached list

Approved
U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, 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 297 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

Box 219

Durango, Colorado

Date: Dec. 8, 1954

Date: _____

SIGNATURE

Ethel R. Emigh
Ethel R. Emigh

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By [Signature]
Vice President

UNIT OPERATOR

APPROVED AND CONSENTED TO:
STANOLINE OIL AND GAS COMPANY
BY [Signature]
Vice President
WORKING INTEREST OWNER

APPROVED
[Signature]

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 fore-
going 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 Colorado)
COUNTY OF La Plata) SS.:

On this 8th day of December, 1954, before me personally
appeared Ethel R. Emigh, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ she executed the same as her free act and deed.

My Commission expires:

July 10, 1957

Edward N. Brown
Notary Public in and for _____
La Plata County,
State of Colorado

RECEIVED
JUN 22 1956
U. S. GEOLOGICAL SURVEY
ROSWELL, N. M.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 297 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

James L. Russell
James L. Russell

Date: _____

Date: _____

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By [Signature]
Vice President

UNIT OPERATOR

APPROVED AND CONSENTED TO:
STANDARD OIL AND GAS COMPANY
BY [Signature]
Vice President
WORKING INTEREST OWNER

APPROVED
[Signature]

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 fore-
going 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 COLORADO)
COUNTY OF LA PLATA) SS.:

On this 9th day of December, 1954, before me personally

appeared James L. Russell, dealing in his sole and separate property, 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:

March 24, 1956


Notary Public in and for _____
La Plata County,
State of Colorado

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-7 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

100 North Richard Avenue

Farmington, New Mexico

Date: March 17, 1955

905 Kennedy Building

Tulsa, Oklahoma

Date: March 29, 1955

SIGNATURE

C. H. Nye

Linda Nye

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By [Signature]

Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

By [Signature]

Morris Mizel

WORKING INTEREST OWNER

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 _____ day of ~~March~~, 195____, before me appeared ~~C. H. NIX~~ and ~~LINDA NIX~~ 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:
September 1, 1958

Von C. Mullen
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 29-7 Unit Area located within the County of BIO 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.

Tr. 1

ADDRESS

SIGNATURE

702 Republic Bank Bldg

W. P. Luse

Tulsa 2, Tulsa

B. M. Luse

Date: April 7, 1954

W. P. Luse

B. M. Luse

Date: _____

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 TEXAS)
COUNTY OF DALLAS) SS.:

On this 7th day of April, 1954, before me appeared W. P. Luse and B. M. Luse 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:

6-1-55
Opal Tucker
Opal Tucker
Notary Public in and for _____
Dallas County,
State of Texas

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 29-7 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.

Tr. 1

ADDRESS

SIGNATURE

209 North Lorena

William Mansfield

Farmington New Mexico

Date: April 17-1954

209 North Lorena

James Mansfield

Farmington New Mexico

Date: April 17-1954

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 23rd day of April, 1954, before me appeared William Mansfield and Jane Mansfield 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:

Sept. 13, 1956

Patricia Schubert

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 29-7 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.

Tr. 1

ADDRESS

SIGNATURE

503-1st Nat'l Bank Bldg
Albuquerque NM

Daniel P. Wolting

Date: March 17-54

514 Las Tomas Rd
Albuquerque NM

Neil Wolting

Date: 3-17-54

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 16 day of March, 1954, before me appeared

Daniel L. Matting and Nell Matting
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:

1/21/55

Laurson D. Stiff
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 AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 19-7 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.

Tr. 3, 4, 7

ADDRESS

SIGNATURE

Washington Grace Hotel
Shreveport, La

R. V. Ernest
Grace Hammer Ernest

Date: March 15 1954

Date: _____

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 LOUISIANA)
PARISH) SS.:
COUNTY OF CADDO)

On this 15 day of March, 1956, before me appeared R. H. Ernest and Grace Kramer Ernest 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:
at death

Florence Green
Notary Public in and for _____
Caddo Parish ~~County~~,
State of Louisiana

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 29-7 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.

Tr. 3, 4, 7

ADDRESS

SIGNATURE

Capitol Building

Midland, Texas

Date: March 18, 1954

Date: _____

[Signature]

[Signature]

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 Texas)
COUNTY OF Midland) SS.:

On this 18th day of March, 1954, before me appeared A. W. Rutter and Dorothy Tripp Rutter 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:
June 1, 1955

Helen Jones
Notary Public in and for _____
Midland County,
State of Texas

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 29-7 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.

TR. 10, 10A, 14, 14A

ADDRESS

SIGNATURE

P. O. Box 153

El Paso, Texas

Date: February 23, 1954

Date: _____

Theresa Hardie
Nabelle Hardie

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 **Texas**)
COUNTY OF **El Paso**) SS.:

On this **23** day of **February**, 195**4**, before me appeared **Thornton Hardie** and **Mabelle Hardie** 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:
June 1, 1955

Dudney Rogers **DUDNEY ROGERS**
Notary Public in and for _____
El Paso County,
State of **Texas**

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 29-7 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

TR. 10, 10A, 14, 14A

SIGNATURE

P.O. Box 153

El Paso, Texas

Date: March 1, 1954

Date: _____

Marion H. Grambling

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 TEXAS)
COUNTY OF EL PASO) SS.:

On this 1st day of March, 1954, before me appeared

A. R. Grambling and Marion H. Grambling
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:

May 31, 1955

Mary Ellen Dougherty
Notary Public in and for El Paso
_____ County,
State of Texas

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 29-7 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

TR. 10, 10A, 14, 14A

SIGNATURE

P. O. Box 153

El Paso, Texas

Date: February 24, 1954

Date: _____

Romaine S. Howell
Romaine S. Howell

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 24th day of February, 1954, before me appeared Isa H. Howell and Romaine S. Howell 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:
June 1, 1955

Beryl Schumacher
Beryl Schumacher
Notary Public in and for _____
El Paso County,
State of Texas

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 29-7 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

TR. 10, 10A, 14, 14A

SIGNATURE

P. O. Box 153

El Paso, Texas

Date: February 23, 1954

Date: _____

William B. Hardie

Emile M. Hardie

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 TEXAS)
COUNTY OF EL PASO) SS.:

On this 23rd day of February, 195⁴____, before me appeared William B. Hardie and Emilie M. Hardie 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:
June 1, 1955

Beryl Schumacher
Beryl Schumacher
Notary Public in and for _____
El Paso County,
State of Texas

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 29-7 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

TR. 10, 10A, 14, 14A

E. P. Lopez

P.O. Box 153

Date: March 3, 1954

SIGNATURE

John A. Gammal

Emily H. Gammal

Date: _____

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 TEXAS)
) SS.:
COUNTY OF EL PASO)

On this 3rd day of March, 1954, before me appeared

JOHN A. GRAMBLING and EMILY D. GRAMBLING
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:

June 1, 1955

Beryl Schumacher

Beryl Schumacher
Notary Public in and for _____
El Paso County,
State of Texas

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 _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-7 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

TR. 10, 10A, 14, 14A

SIGNATURE

P. O. Box 153

El Paso, Texas

Date: February 26, 1954

Date:

L. H. Penille
Laura H. Penille

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 TEXAS)
COUNTY OF EL PASO) SS.:

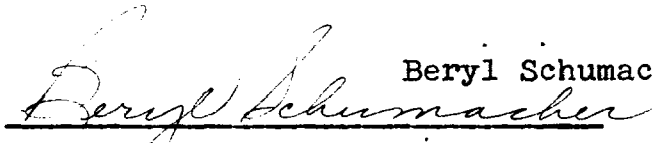
On this 26th day of February, 1954, before me appeared

R. H. Feuille and Louann H. Feuille

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:

June 1, 1955


Beryl Schumacher
Notary Public in and for _____
El Paso County,
State of Texas

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 29-7 Unit Area located within the County of RIO ARMBEA 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

TR. 15A, 15B, 18,

SIGNATURE

1010 N. Dustin, Farmington, New Mexico

Tom Bolack

John Bolack

Date: March 3, 1954

TR. 15, 15A, 15B

1010 N. Dustin, Farmington, New Mexico

R.W. Bolack

Date: March 3, 1954

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 _____

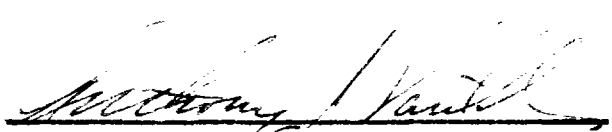
STATE OF **New Mexico**)
) SS.:
COUNTY OF **San Juan**)

On this 3rd day of March, 1954, before me appeared

Tom Bolack and Alice Bolack
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:

August 22, 1956


Notary Public in and for _____
San Juan County,
State of New Mexico

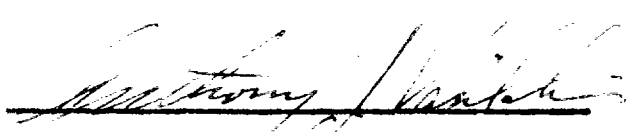
STATE OF **New Mexico**)
) SS.:
COUNTY OF **San Juan**)

On this 3rd day of March, 1954, before me personally

appeared R. W. Bolack, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that he he executed the same as his free act and deed.

My Commission expires:

August 22, 1956


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 29-7 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.

Tr. 20

ADDRESS

SIGNATURE

Bishop's Lodge Road

Joseph L. Bunker
Sen C. Bunker

Santa Fe, New Mexico

Date: May 20, 1954

Date: _____

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 *Santa Fe*) SS.:

On this *20* day of *May*, 195*4*, before me appeared

Joseph C. Berger and Sue C. Berger
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:

Nov 16 - 1955

Notary Public in and for _____
Santa Fe 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 29-7 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.

Tr. 23

ADDRESS

SIGNATURE

282 S. Carolina Avenue
Albuquerque, New Mexico

Edmund Henry Anderson
Executor of the Estate of
Charles G. Anderson, Deceased

Date: April 22, 1954

Date: _____

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 JEFFERSON) SS.:

On this 23rd day of April, 1954, before me appeared
~~Charles Henry Anderson, Executor of the Estate of Charles H. Anderson, Deceased,~~
and
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:

April 17, 1958

Bernice T. Sklar
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 22-7 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.

To 23, 24

ADDRESS

SIGNATURE

P. O. Box 552, Davenport, Iowa

Grace Kasey

Date: March 23, 1954

Date:

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 IOWA)
COUNTY OF SCOTT) SS.:

On this 23rd day of March, 1954, before me personally

appeared Grace Hoxsey, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that she executed the same as her free act and deed.

My Commission expires:

July 4, 1954

Notary Public in and for Scott
Iowa County,
State of Iowa

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-7 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.

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Tr. 35

ADDRESS

SIGNATURE

Bennett Anwa.

Arj E. Buttz

Bennett, Anwa

Grace L. Buttz

Date: 3/16-54

Date: _____

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 Iowa)
COUNTY OF Cedar) SS.:

On this 16 day of March, 1954, before me appeared

Woyt E. Buttolph and Grace L. Buttolph
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:

Robert D. Van Nostrand
Notary Public in and for Cedar
County,
State of Iowa

STATE OF Iowa)
COUNTY OF Cedar) SS.:

On this 16 day of March, 1954, before me personally

appeared Woyt E. Buttolph ✓, 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 29-7 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.

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Tm. 26

ADDRESS

SIGNATURE

Bennett, Laura

W.C. Wright

Bennett, Laura

Alma M. Wright

Date: 3/19/54

Date: _____

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 Seva)
COUNTY OF Calas) SS.:

On this 19 day of March, 1954, before me appeared

W. C. Wright and Olivia W. Wright
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:

Robert A. McNeiland
Notary Public in and for Calas
County,
State of Seva

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 22-7 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.

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Tr. 27

ADDRESS

SIGNATURE

Bennett, Iowa
Bennett, Iowa

Omer B. Wright
Bernice B. Wright

Date: 3/19/54

Date: _____

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 Iowa)
COUNTY OF Cedar) SS.:

On this 19 day of March, 1954, before me appeared Oliver B. Wright and Bernice C. Wright 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:
July 4, 1954

Robert A. Newstead
Notary Public in and for Cedar
County,
State of Iowa

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 29-7 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.

Tr. 28

ADDRESS

Wilton Jot Iowa

Date: April 8-1954

SIGNATURE

Harry W. Goffe
a single person

Date: _____

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 fore-
going 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 Iowa)
COUNTY OF Cedar) SS.:

On this 8 day of April, 1954, before me personally

appeared Harry Ruff, 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:

Robert D. Van Nostrand
Notary Public in and for Cedar
County,
State of Iowa

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-7 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.

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Tr. 29

ADDRESS

SIGNATURE

No 1 central Bed-
Coffeyville, Kas-

P. W. Warner

Date: _____

Date: _____

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 Montgomery) SS.:

On this 15 day of March, 1954, before me appeared

R. W. Wynn and a single person
~~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. HIS

My Commission expires:

3-21-54

Y. C. Benefield
Notary Public in and for _____
Montgomery 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 29-7 Unit Area located within the County of BIA ARRIIBA 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.

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Tr. 30

ADDRESS

SIGNATURE

131 Forest Road

Barro Colorado, Panama

Date: April 16, 1966

Henry R. Schaefer
M. A. Schaefer

Date: _____

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 IOWA)
COUNTY OF _____) SS.:

On this 16th day of April, 1954, before me appeared

Henry H. Schaefer and M. A. Schaefer

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 4, 1954

Walter A. Newport Jr.
Notary Public in and for Scott
County,
State of Iowa

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 29-7 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.

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75.32

ADDRESS

SIGNATURE

PO Box 488

L. D. Stroop

Galesburg Illinois

Date: 3/15/54

Date: _____

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 Iowa)
COUNTY OF Cedar) SS.:

On this 10 day of March, 1954, before me personally appeared C. D. Stork, 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:

July 4 1954

Robert D. McWhorter
Notary Public in and for Iowa
County,
State of Iowa

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-7 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.

Tr. 35A, 36, 37A, 37E. 42

ADDRESS

SIGNATURE

728 4th Ave

Adolph Soena

Durango, Colo.

J. Christine Soena

Date: April 14, 1954

Date: _____

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 Colorado)
) SS.:
COUNTY OF La Plata)

On this 14th day of April _____, 1954____, before me appeared Adolph Soens _____ and J. Christine Soens _____ 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:

My Commission expires May 5, 1954

[Signature]

Notary Public in and for _____
La Plata County,
State of Colorado

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 _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-7 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.

Tr. 36

ADDRESS

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

Date: May 25, 1954

Date: _____

SIGNATURE

Thomas N. Mundy

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)
) SS.:
COUNTY OF)

On this _____ day of _____, 195____, before me appeared

_____ and _____
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:

Notary Public in and for _____
_____ County,
State of _____

STATE OF TEXAS)
) SS.:
COUNTY OF EL PASO)

On this 25th day of May, 1954, before me personally

appeared Thomas N. Mandry, 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:

June 1, 1955

Hugh V. Henning
Notary Public in and for El Paso
_____ County,
State of Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-7 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.

Tr. 36

<u>ADDRESS</u>	<u>SIGNATURE</u>
<u>1709 Worcester Place</u>	<u>Charles L. Jenkins</u>
<u>Oklahoma City, Okla</u>	<u>Educa Jenkins</u>
Date: <u>July 19, 54.</u>	_____
_____	_____
_____	_____
Date: _____	_____

STATE OF Oklahoma }
COUNTY OF Oklahoma } SS.:

On this 9th day of July, 1954, 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 Oklahoma }
COUNTY OF Oklahoma } SS.:

On this 14th day of July, 1954, before me appeared

Charles E. Jenkins and Eula Jenkins
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:

6/1/50

Notary Public in and for _____
County,
State of Oklahoma

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 22-7 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.

Tr. 36

ADDRESS

SIGNATURE

San Juan 22-7 Unit

Date: 4-10-54

W. K. Neal

Major L. Neal

Date: _____

STATE OF NEW MEXICO)
COUNTY OF SANTA FE) SS.:

On this 22nd day of April, 1954, before me appeared [REDACTED], to me personally known, who, being by me duly sworn, did say that he is the President of [REDACTED] 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 [REDACTED] 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 SANTA FE) SS.:

On this 10th day of April, 1954, before me appeared E. C. Neal and Margaret and Mary I. Neal 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:
1-31-56

Margit Cherniaky
Notary Public in and for _____
Santa Fe 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 _____

El Paso Natural Gas Company

El Paso, Texas

April 11, 1955

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 29-7 Unit
Tract 11

Gentlemen:

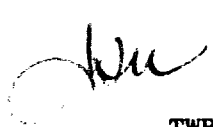
Attached hereto is one (1) copy of Ratification and Joinder of Unit Agreement, dated March 17, 1955, executed by C. H. Nye, et ux, committing their interest in Tract 11 to the above captioned Unit.

We ask that you process this in the usual manner in order to effectively commit these interests to the Unit.

Very truly yours,



T.W. Bittick
Area Landman
Lease Department



TWB:BG:rb
Enclosure

El Paso Natural Gas Company

El Paso, Texas

February 22, 1955

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

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

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

Re: San Juan 29-7 Unit
No. 14-08-001-1650
Third Expanded Participating Area
Mesaverde Formation
Effective January 1, 1955

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-7 Unit Agreement, No. 14-08-001-1650, approved September 3, 1954, 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 committed acreage to this Unit and the Participating Area for the Mesaverde Formation is accordingly expanded.

This well is as follows:

The San Juan 29-7 #32 Well is located 990' from the South line and 890' from the West line of Section 32, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on November 2, 1954, and reached a total depth of 5780'. The Cliff House Section of the Mesaverde Formation, between 5025' and 5300', was treated with a sand-oil fracturing process and the Point Lookout Section of the Mesaverde Formation, between 5345' and 5780', was treated with a sand-oil fracturing process. After being shut-in for gauge for 14 days, the well was tested on December 9, 1954, and after a three hour blow-down gauged an IP of 2506 MCFGPD, with an SIPC of 957# and an SIPT of 938#. The committed drilling block upon which this well is located is described as the W/2 of Section 32, Township 29 North, Range 7 West, N.M.P.M., which according to our information consists of 320 acres.

In comparison with this determination there are six (6) wells with lower Initial Potentials already included within the San Juan 29-7 Mesaverde Participating Area.

With the admission to the Participating Area of this well there is one intervening drilling block created. It is as follows: E/2 of Section 32, Township 29 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico, and consists of 320 acres. Under the terms of the Unit Agreement this intervening drilling block is admitted to the Participating Area on January 1, 1955, the time of admission of the San Juan 29-7 #32 Well, and a well must be commenced on said intervening drilling block by January 1, 1956.

Attached is Schedule IV showing the Third Expanded Participating Area for the Mesaverde Formation for the San Juan 29-7 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tracts. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this expanded participating area will become effective as of January 1, 1955.

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 R. L. Hamblin
R. L. Hamblin
Manager
Lease Department

RLH/BG/mp
cc: Attached List

El Paso Natural Gas Company

El Paso, Texas

February 17, 1955

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

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

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

file

Re: San Juan 29-7 Unit Area
#14-08-001-1650
Rio Arriba County, New Mexico
Notice of Approval of Plan of
Development for the Calendar
Year 1955

Gentlemen:

This is to advise that the Plan of Development for the San Juan 29-7 Unit Area for the calendar year 1955 was approved as follows:

1. Regional Supervisor, United States Geological Survey, February 4, 1955.
2. Commissioner of Public Lands, State of New Mexico, January 21, 1955.
3. Oil Conservation Commission, State of New Mexico, February 10, 1955.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

T. W. Bittick

T. W. Bittick
Area Landman
Lease Department

AM

TWB/BG/mp
cc: Attached List

Working Interest Owners in San Juan 29-7 Unit:

Southern Union Gas Company
1104 Burt Building
Dallas, Texas
Attention: Mr. Howard McDade

Skelly Oil Company
Tulsa 2, Oklahoma

Three States Natural Gas Company
Seventeenth Floor
Corrigan Tower
Dallas, Texas
Attention: Mr. R. B. Slay

San Jacinto Petroleum Corporation
630 Fifth Avenue
New York 20, New York
Attention: Mr. B. G. Martin

Mr. D. H. Bolin
1120 Oil and Gas Building
Wichita Falls, Texas

Mr. Morris Mizel
905 Kennedy Building
Tulsa, Oklahoma

Delhi Oil Corporation
Corrigan Tower
Dallas, Texas
Attention: Mr. Aaron L. Colvin

Mr. R. W. Bolack
210 Massachusetts
Winfield, Kansas

Mr. Tom Bolack
1010 N. Dustin St.
Farmington, New Mexico

Phillips Petroleum Company
10th Floor Phillips Building
Bartlesville, Oklahoma
Attention: Mr. R. N. Richey

Bolack Oil and Gas Company
Sunshine Building
Albuquerque, New Mexico

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

The Bay Petroleum Corporation
1655 Grant Street
Denver, Colorado
Attention: Mr. N. B. Venus

Mr. Leo R. Manning
2321 Candelaria Rd.
Albuquerque, New Mexico

Mr. J. A. Pierce
Aztec, New Mexico

Stanolind Oil and Gas Company
P. O. Box 1410
Fort Worth, Texas

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

CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 9, 1955

*file
case 674*

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

Attention: Mr. R. L. Hamblin

Re: San Juan 29-7 Unit
Rio Arriba County, New Mexico
1955 Drilling Program

Gentlemen:

This is to advise that the Plan of Development for calendar year 1955 for the subject unit, dated December 30, 1954, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is herewith returned.

Very truly yours,

W. B. Macey
Secretary - Director

WBM:jh

cc: USGS - Roswell
Commissioner of Public Lands - Santa Fe

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas

February 4, 1955

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

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

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

file
Re: San Juan 29-7 Unit
No. 14-08-001-1650
Second Expanded Participating Area
Mesaverde Formation
Effective December 1, 1954

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-7 Unit Agreement, No. 14-08-001-1650, approved September 3, 1954, El Paso Natural Gas Company, as Unit Operator determined on the dates set out below that three additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon committed acreage to this Unit and the Participating Area for the Mesaverde Formation is accordingly expanded.

These wells are as follows:

The San Juan 29-7 #30 Well located 1750' from the North line and 800' from the East line of Section 35, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on October 3, 1954, and reached a total depth of 5955' in the Mesaverde Formation. The pay section between 5210' and 5466' was treated with a sand-oil fracturing process and the pay section between 5747' and 5955' was treated with a sand-oil fracturing process. After being shut-in for gauge for 7 days, the well was tested on November 6, 1954, and after a three hour blow-down gauged an IP of 3848 MCFGPD, with an SIPC of 1015# and an SIPT of 1014#. The committed drilling block upon which this well is located is described as the E/2 of Section 35, Township 29 North, Range 7 West, N.M.P.M., which according to our information consists of 320 acres.

AM

The San Juan 29-7 #33 Well located 990' from the North line and 990' from the East line of Section 13, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on October 6, 1954, and reached a total depth of 5490' in the Mesaverde Formation. The pay section between 4860' and 5020' was treated with a sand-oil fracturing process and the pay section between 5170' and 5490' was also treated with a sand-oil fracturing process. After being shut-in for gauge for 8 days, the well was tested on November 9, 1954, and after a three hour blow-down gauged an IP of 3982 MCFGPD, with an SIPC of 1054# and an SIPT of 1049#. The committed drilling block upon which this well is located is described as the E/2 of Section 13, Township 29 North, Range 7 West, N.M.P.M., which according to our information consists of 320 acres.

The San Juan 29-7 Dawson #1 Well located 1850' from the South line and 905' from the West line of Section 17, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on September 19, 1952, and reached a total depth of 6297' in the Mesaverde formation. The pay section between 5360' and 6298' was treated with 1990 quarts of nitroglycerine. After being shut-in for gauge for 67 days, the well was tested on January 13, 1953, and after a six hour blow-down gauged an IP of 728 MCFGPD. Southern Union Gas Company worked over this well and after work over the well was re-tested on November 19, 1954, and had an IP of 1874 MCF with an SIPC of 1026# and an SIPT of 1062#. The committed drilling block upon which this well is located is described as the W/2 of Section 17, Township 29 North, Range 7 West, N.M.P.M., which according to our information consists of 320 acres.

In comparison with this determination there are 2 wells with lower Initial Potentials already included within the San Juan 29-7 Mesaverde Participating Area. These wells are as follows:

<u>Well</u>	<u>I. P.</u>
1. San Juan 29-7 #4	1694
2. Manning #1	1250

With the completion of these 3 wells there are 4 intervening drilling blocks created. They are as follows: E/2 of Section 12, W/2 of Section 8, E/2 of Section 17 and the W/2 of Section 20, all in Township 29 North, Range 7 West, N.M.P.M. and consist of 1280 acres. Under the terms of the Unit Agreement these intervening drilling blocks are admitted to the Participating Area on December 1, 1954, the time of admission of the San Juan 29-7 #30, 33 and Dawson #1 Wells, and a well must be commenced on said intervening drilling blocks by December 1, 1955.

Attached is Schedule III showing the Second Expanded Participating Area for the Mesaverde Formation for the San Juan 29-7 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tracts. 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, 1954.

-3-

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 R. L. Hamblin
R. L. Hamblin
Manager
Lease Department

RLH/BG/mp
cc: Attached List



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

February 4, 1955

El Paso Natural Gas Company
El Paso Natural Gas Building
El Paso, Texas

Gentlemen:

The plan of development dated December 30, 1954, for the San Juan 29-7 unit area, New Mexico, No. 14-08-001-1650, has been approved on this date, subject to like approval by the appropriate State officials.

In addition to the proposed wells listed in the plan of development, adequate offset wells must be drilled to protect the unit area from drainage as provided in the unit agreement.

One approved copy of said plan is returned herewith.

Very truly yours,

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: ☒ N.M.O.C.C., Santa Fe (ltr only)

El Paso Natural Gas Company

El Paso, Texas

December 30, 1954

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

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

Mr. W. B. Macey, Secretary
Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-7 Unit
#14-08-001-1650
Rio Arriba County, New Mexico
1955 Drilling Program

Gentlemen:

Since September 3, 1954, the effective date of the San Juan 29-7 Unit Agreement, the following wells have been completed on acreage committed to the Unit:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Initial Potential</u>	<u>Tied-in</u>
San Juan 29-7 #29	W/2 13-29-7	3579	No
San Juan 29-7 #30	E/2 35-29-7	3848	No
San Juan 29-7 #32	W/2 32-29-7	2506	No
San Juan 29-7 #33	E/2 13-29-7	3982	12-8-54

Thirty-one wells have been drilled to the Mesaverde Formation upon lands committed to the Unit. Of these 31 wells 27 have been determined to be capable of producing unitized substances in paying quantities and have been admitted to the Mesaverde participating area. There are 28 wells that are presently producing into El Paso's gathering system.

The San Juan 29-7 Dawson #2 Well located in the NE/4 of Section 8, Township 29 North, Range 7 West, was drilled by Southern Union Gas Company to a total depth of 4712 feet, which was the top of the Mesaverde Formation, and

at that point the well was temporarily abandoned.

The two obligation wells being the San Juan 29-7 #29 and #30 have been completed. The San Juan 29-7 #31 Well located in the NE/4 of Section 32, Township 29 North, Range 7 West, is being drilled at the present time to the Mesaverde Formation, but has not been completed. El Paso Natural Gas Company, as Unit Operator, will diligently finish the drilling of this well.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a drilling program for the calendar year 1955, consisting of twelve (12) wells to be drilled to the Mesaverde Formation; such drilling program to constitute all of our drilling obligations for such year. These proposed drilling sites are listed below as follows:

- (1) E/2 Section 2 - T29N - R7W (Intervening drilling block)
- (2) E/2 Section 6 - T29N - R7W (Intervening drilling block)
- (3) W/2 Section 4 - T29N - R7W (Intervening drilling block)
- * (4) W/2 Section 8 - T29N - R7W
- (5) E/2 Section 9 - T29N - R7W (Intervening drilling block)
- (6) E/2 Section 12 - T29N - R7W
- (7) W/2 Section 12 - T29N - R7W (Intervening drilling block)
- * (8) E/2 Section 17 - T29N - R7W
- * (9) W/2 Section 20 - T29N - R7W
- (10) E/2 Section 28 - T29N - R7W
- (11) W/2 Section 28 - T29N - R7W
- (12) E/2 Section 29 - T29N - R7W

*These will become intervening drilling blocks upon inclusion of the Dawson #1-A Well in the Mesaverde participating area.

El Paso Natural Gas Company, as Unit Operator, intends to drill all wells to the base of the Mesaverde Formation, using rotary tools. Surface casing of 9 5/8" diameter will be set to approximately 180' and then a production string of 7" casing will be set down to the top of the Mesaverde Formation. The entire Mesaverde Formation will be drilled in with gas. The Cliff House and Point Lookout sands of the Mesaverde Formation will be separately treated with a sand-oil fracturing process. 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 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: R. L. Hamblin
R. L. Hamblin
Manager
Lease Department

Working Interest Owners in San Juan 29-7 Unit:

Southern Union Gas Company
1104 Burt Building
Dallas, Texas
Attention: Mr. Howard McDade

Skelly Oil Company
Tulsa 2, Oklahoma

Three States Natural Gas Company
Seventeenth Floor
Corrigan Tower
Dallas, Texas
Attention: Mr. R. B. Slay

San Jacinto Petroleum Corporation
630 Fifth Avenue
New York 20, New York
Attention: Mr. B. G. Martin

Mr. D. H. Bolin
1120 Oil and Gas Building
Wichita Falls, Texas

Mr. Morris Mizel
905 Kennedy Building
Tulsa, Oklahoma

Delhi Oil Corporation
Corrigan Tower
Dallas, Texas
Attention: Mr. Aaron L. Colvin

Mr. R. W. Bolack
210 Massachusetts
Winfield, Kansas

Mr. Tom Bolack
1010 N. Dustin St.
Farmington, New Mexico

Phillips Petroleum Company
10th Floor Phillips Building
Bartlesville, Oklahoma
Attention: Mr. R. N. Richey

Bolack Oil and Gas Company
Sunshine Building
Albuquerque, New Mexico

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

The Bay Petroleum Corporation
1655 Grant Street
Denver, Colorado
Attention: Mr. N. B. Venus

Mr. Leo R. Manning
2321 Candelaria Rd.
Albuquerque, New Mexico

Mr. J. A. Pierce
Aztec, New Mexico

Stanolind Oil and Gas Company
P. O. Box 1410
Fort Worth, Texas

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

APPROVED: _____
Supervisor, United States Geological Survey

Date: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____
Commissioner of Public Lands

Date: _____

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: 12/12/55
Oil Conservation Commission

Date: 2/9/55

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

El Paso Natural Gas Company

El Paso, Texas

December 8, 1954

RECEIVED 12 10 10

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 29-7 Unit
No. 14-08-001-1650
First Expanded Participating Area
Mesaverde Formation
Effective November 1, 1954

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-7 Unit Agreement, No. 14-08-001-1650, approved September 3, 1954, El Paso Natural Gas Company, as Unit Operator, determined on October 21, 1954, that one additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation had been completed upon committed acreage to this Unit and the Participating Area for the Mesaverde Formation is accordingly expanded.

This well is as follows:

El Paso Natural Gas Company's San Juan 29-7 #29 Well located 1750' from the South line and 990' from the West line of Section 13, Township 29 North, Range 7 West, Rio Arriba County, New Mexico. This well was spudded on September 13, 1954, and reached a total depth of 5417' in the Mesaverde Formation. The pay section between 4790' and 4950' was treated with a sand-oil fracturing process. After being shut-in for gauge for 9 days, the well was tested on October 21, 1954, and after a three hour blow-down gauged an IP of 3579 MCFGPD, with an SIPC of 1080# and an SIPT of 1076#. The committed drilling block upon which this well is located is described as the W/2 of Section 13, Township 29 North, Range 7 West, N.M.P.M., which according to our information consists of 320 acres.

In comparison with this determination there are 18 wells with lower Initial Potentials already included within the San Juan 29-7 Mesaverde Participating Area. These wells are as follows:

<u>Well</u>	<u>I.P.</u>
Bolack #1	3460
Daum #1-A	3460
Daum #2-A	3500
Daum #3-A	3020
Bolin Hardie #1-B	3120
Bolin Hodges #1	2130
Marshall #1	2630
Marshall #2	3020
Marshall #3	3210
Marshall #4	2830
Marshall #6	3020
San Juan 29-7 #4	1694
Hoxsey State #1	2830
Hoxsey State #2	3050
Luse #1	2410
Candelaria #1	3540
Hickman #1	2500
Manning #1	1250

With the completion of this well an intervening drilling block exists between the San Juan 29-7 #29 Well and the Daum #5-A Well. This drilling block is described as the W/2 of Section 12, Township 29 North, Range 7 West, N.M.P.M. and consists of 320 acres. Under the terms of the Unit Agreement this intervening drilling block is admitted to the Participating Area on November 1, 1954, the time of admission of the San Juan 29-7 #29 Well, and a well must be commenced on said intervening drilling block by November 1, 1955.

Attached is Schedule II showing the First Expanded Participating Area for the Mesaverde Formation for the San Juan 29-7 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tracts. 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, 1954.

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 R. L. Hamblin
R. L. Hamblin
Manager
Lease Department

RLH/BG/mas
cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

December 8, 1954

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 29-7 Unit
#14-08-001-1650
Rio Arriba County, New Mexico
Notice of Approval
San Juan 29-7 Initial Participating
Area

Gentlemen:

This is to advise that the San Juan 29-7 Initial Participating Area was approved as follows:

1. Director, United States Geological Survey, November 24, 1954.
2. Commissioner of Public Lands of the State of New Mexico, September 3, 1954.
3. Oil Conservation Commission of the State of New Mexico, November 16, 1954.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick
Area Landman
Lease Department

TWB/BG/mas

THE BAY PETROLEUM CORPORATION

PRODUCERS AND REFINERS

GENERAL OFFICES

DENVER, COLORADO

November 30, 1954

PRODUCTION DIVISIONS

DENVER, COLORADO
WICHITA, KANSAS
OKLAHOMA CITY, OKLA.
ABILENE, TEXAS
MIDLAND, TEXAS
WICHITA FALLS, TEXAS
ROSWELL, NEW MEXICO
CALGARY, ALBERTA, CANADA

SALES DIVISIONS

DENVER, COLORADO
MCPherson, KANSAS
CHALMETTE, LA.



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 29-7 Unit
No. 14-08-001-1550
Rio Arriba County, New Mexico

Gentlemen:

By letter of November 18, 1954, Southern Union Gas Company forwarded you a protest of determination against El Paso Natural Gas Company's initial participating area for the Mesaverde formation as contained in their letter of transmittal to you under date of October 19, 1954.

It was evident and obvious, prior to our execution of both the Communitization and Operating Agreements, that in comparison to the other completed tests in the Unit Area both the Manning #1 and the Dawson #1 wells were of smaller initial potential. In fact, the initial potentials of all completed Mesaverde wells within the Unit Area were available, or known, to all the prospective working interest owners, including the Unit Operator and Southern Union Gas Company, prior to their execution of the Agreements.

It was also obvious to each working interest owner (regardless of his percentage of acreage in the Unit Area), that subsequent to committing his acreage to the Unit and subject to approval of the regulatory bodies, that he would thereafter be governed by the Communitization Agreement.

It was presumed by this company that since our only acreage within the Unit Area was the south half of Section 2 and there was already

file

dm

Director, U. S. G. S.
Washington 25, D. C.

November 30, 1954

Commissssioner of Public Lands
Santa Fe, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

a discovery on this tract, it would naturally follow that committing this acreage to the Unit would put the well in the initial participating area. If this is not true, why were we requested to commit our acreage in the first instance. We believe this is also true with Southern Union Gas Company, although as they state in their November 18, 1954 letter of protest, they stand to be affected far more than Bay, Phillips or Pubco in that they control 37.8644% of the Unit Area, as against 2.8277% held by Bay, Phillips and Pubco. We fail to see how their percentage of acreage, being greater than ours, would affect them more, unless they are making reference, indirectly, to Article 11(a), third paragraph, of the Communitization Agreement. Under this paragraph, the admission of the Dawson #1 well, would also admit three additional single intervening drilling blocks, yet undrilled, to the initial participating area.

In view of the foregoing, it is our belief that the Dawson #1 well should be admitted to the initial participating area.

Copies of this letter are being sent to all working interest owners in this Unit, as indicated on the attached sheet.

Yours very truly,

THE BAY PETROLEUM CORPORATION

HIC:NBV:mb

By: H. I. Craig, Vice President

Working Interest Owners in San Juan 29-7 Unit:

El Paso Natural Gas Company
Bassett Tower
El Paso, Texas
Attention: Mr. R. L. Hamblin

Skelly Oil Company
Tulsa 2, Oklahoma
Attention: Mr. J. W. Loofbourrow

Three States Natural Gas Company
Seventeenth Floor
Corrigan Tower
Dallas, Texas
Attention: Mr. R. B. Slay

San Jacinto Petroleum Corporation
630 Fifth Avenue
New York 20, New York
Attention: Mr. B. G. Martin

Mr. D. H. Bolin
1120 Oil and Gas Building
Wichita Falls, Texas

Delhi Oil Corporation
Corrigan Tower
Dallas, Texas
Attention: Mr. Aaron L. Colvin

Mr. R. W. Bolack
210 Massachusetts
Winfield, Kansas

Mr. Tom Bolack
1010 N. Dustin St.
Farmington, New Mexico

Phillips Petroleum Company
10th Floor Phillips Building
Bartlesville, Oklahoma
Attention: Mr. R. N. Richey

Bolack Oil and Gas Company
Sunshing Building
Albuquerque, New Mexico

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

The Bay Petroleum Corporation
1655 Grant Street
Denver, Colorado
Attention: Mr. N. B. Venus

Mr. Leo R. Manning
2321 Candelaria Rd.
Albuquerque, New Mexico

Mr. J. A. Pierce
Aztec, New Mexico

Stanolind Oil and Gas Company
P. O. Box 1410
Fort Worth, Texas
Attention: Mr. C. F. Bedford

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

Southern Union Gas Company
Burt Building
Dallas 1, Texas

MAIN OFFICE
SOUTHERN UNION GAS COMPANY
BURT BUILDING
DALLAS 1, TEXAS
NOV 23 AM 8:31

J. C. REID
VICE PRESIDENT

November 18, 1954

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

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

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

Re: San Juan 29-7 Unit
No. 14-08-001-1650

Gentlemen:

By letter dated October 19, 1954 El Paso Natural Gas Company forwarded to you a Request for Approval of Initial Participating Area - Mesaverde Formation - to be effective September 3, 1954. Attached to this letter were the following:

- A. Schedule No. I, showing Completed Wells as of September 3, 1954.
- B. Unit Production Data as of September 1, 1954.
- C. Map of Unit Area.
- D. Schedule No. I - Initial Participating Area for the Mesaverde Formation San Juan 29-7 Unit Area.

In the third paragraph of the above mentioned letter, El Paso states the following:

"From these actual production figures it appears that two (2) wells in this Unit might never pay out. These two wells are the Dawson #1 and the Manning #1. However, in order to obtain the commitment of Section 2 and the Manning State #1 Well, in the SW $\frac{1}{4}$ thereof, we advised Bay Petroleum Corporation, Phillips Petroleum Company and Pubco Development, Inc., that this well would be included in the participating area. Even though these subsequent

production figures make the payout of the Manning #1 Well, by itself, questionable we feel obligated to include this well in the participating area." (Emphasis ours.)

After examining the various production Schedules, Southern Union contends that the Unit Operator should not make concessions admitting one well to a participating area and omitting another. We are in accord with their statement set forth in Paragraph 4 of the above letter, that the Dawson #1 Well should be reworked and the potential increased before its admission to the participating area and we have advised them that we will commence work-over operations within the next four weeks. No mention of a work-over is made on the Manning #1 Well.

In checking the Unit Production Data Schedule for the period to September 1, 1954, we find that although the Initial Potential of the Manning #1 Well was 1250 MCF as compared to 728 MCF for the Dawson #1, there was only a difference of 9 MCF per day in actual average production and \$1.42 in value received per day between the two wells. In our opinion, this difference is not large enough to justify the discrimination.

One additional point that should be noted is that Southern Union holds a Working Interest in 37 8644% of the acreage within the unit area as compared to a total of 2.8277% held by Phillips, Pubco and Bay Petroleum Corporation. The omission of our well affects us to a far greater extent than the above mentioned due to the fact that we have full Working Interest in the drilling unit in question.

It is our belief that in fairness to all parties involved in the San Juan 29-7 Unit either the Dawson #1 Well and Manning #1 Well both be admitted to the Initial Participating Area or neither well be admitted until both have been reworked. There should be no line drawn between the two wells since the figures as well as the Operators statement show that neither well is capable of production to the degree of a payout.

We will appreciate your giving this protest of determination your consideration before making a decision on this matter.

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

Very truly yours,

SOUTHERN UNION GAS COMPANY

By J C Smith

Working Interest Owners in San Juan 29-7 Unit:

El Paso Natural Gas Company
Bassett Tower
El Paso, Texas
Attention: Mr. R. L. Hamblin

Skelly Oil Company
Tuasa 2, Oklahoma
Attention: Mr J. W. Loofbourrow

Three States Natural Gas Company
Seventeenth Floor
Corrigan Tower
Dallas, Texas
Attention: Mr. R. B. Slay

San Jacinto Petroleum Corporation
630 Fifth Avenue
New York 20, New York
Attention: Mr. B. G. Martin

Mr. D. H. Bolin
1120 Oil and Gas Building
Wichita Falls, Texas

Delhi Oil Corporation
Corrigan Tower
Dallas, Texas
Attention: Mr. Aaron L. Colvin

Mr. R. W. Bolack
210 Massachusetts
Winfield, Kansas

Mr. Tom Bolack
1010 N. Dustin St.
Farmington, New Mexico

Phillips Petroleum Company
10th Floor Phillips Building
Bartlesville, Oklahoma
Attention: Mr. R. N. Richey

Bolack Oil and Gas Company
Sunshine Building
Albuquerque, New Mexico

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

The Bay Petroleum Corporation
1655 Grant Street
Denver, Colorado
Attention: Mr. N. B. Venus

Mr. Leo R. Manning
2321 Candelaria Rd.
Albuquerque, New Mexico

Mr. J. A. Pierce
Aztec, New Mexico

Stanolind Oil and Gas Company
P. O. Box 1410
Fort Worth, Texas
Attention: Mr. C. F. Bedford

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

November 17, 1954

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

Attention: Mr. R. L. Hamblin

Re: San Juan 29-7 Unit Agreement
Rio Arriba County, New Mexico

Gentlemen:

We wish to advise that the Initial Participating Area for the Mesaverde Formation, San Juan 29-7 Unit Agreement, as outlined in your letter dated October 19, 1954, is this date approved by this office effective September 3, 1954, subject to like approval being obtained from the United States Geological Survey and Oil Conservation Commission.

One approved copy of the application is inclosed herewith.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

cc: United States Geological Survey
Roswell, New Mexico (3)
Oil Conservation Commission ✓
Santa Fe, New Mexico (1)

NEW MEXICO CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 16, 1954

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

Attention: Mr. R. L. Hamblin

**Re: San Juan 29-7 Unit, No. 14-08-001-1650
Rio Arriba County, New Mexico**

Gentlemen:

This is to advise that the Initial Participating Area for the Mesaverde Formation, San Juan 29-7 Unit, as outlined in your letter of October 19, 1954, is this date approved by the New Mexico Oil Conservation Commission, such approval to be effective September 3, 1954 and subject to like approval by the Director of the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the request is herewith returned.

Very truly yours,

**W. B. Macey
Secretary - Director**

WBM:jh

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

encl.

C
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P
Y

674

PUBCO DEVELOPMENT, INC.

MAIN OFFICE CCC

NOV 11 1:27

November 8, 1954

File
674

Re: San Juan 29-7 Unit, No. 14-08-001-1650
Rio Arriba County, New Mexico

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

Attention: Mr. Roland L. Hamblin

Gentlemen:

Reference is made to the above captioned unit and your letter to the working interest owners of October 19, 1954.

P
Y
Our company has taken the position that Mesaverde wells completed in the above captioned unit should be admitted to the participating area only if such wells are considered to be capable of producing unitized substances in paying quantities. Our previous conception of such a well has been stated to be a well capable of testing 2,000,000 cubic feet per day on the accepted 3-hour open flow test. We have also indicated that in this particular unit, if such is the majority opinion of operators within the unit, a 1,500,000 cubic feet per day 3-hour test would be acceptable by our company.

Therefore, our company objects and hereby makes a protest to the admittance to the participating area of the following two wells:

Southern Union Gas Company Denson #1 - IP: 728 MCF/D

Bay Petroleum Company Manning #1 - IP: 1,250 MCF/D

These two wells, in our opinion, are not capable of producing unitized substances in paying quantities and should not be admitted to the participating area. We would like to point out, however, that in so objecting to the admittance of the Bay Petroleum Manning #1 we are in effect making a protest which could be detrimental to our actual economic interests.

Yours very truly,

Frank D. Gorham, Jr.

Frank D. Gorham, Jr.
Vice President

FDGJr/h

cc: Director, United States Geological Survey

Commissioner of Public Lands of New Mexico

Oil Conservation Commission of New Mexico ✓

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

October 19, 1954

Handwritten:
Approved 11/1/54
J. C. ...

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 29-7 Unit, No. 14-08-001-1650
Rio Arriba County, New Mexico
Request for Approval of Initial
Participating Area - Mesaverde Formation
To be effective September 3, 1954

Gentlemen:

Pursuant to the provisions of Section 11 (a) of the San Juan 29-7 Unit Agreement No. 14-08-001-1650, approved September 3, 1954, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Initial Participating Area for the Mesaverde Formation. On September 13, 1954, we advised you of the discovery of unitized substances in paying quantities as of September 3, 1954, the effective date of the Unit Agreement.

Attached hereto is a copy of our original schedule of completed wells, which shows the discovery wells and the data upon which discovery was based. This is a copy of the schedule in our Notice of Discovery of September 13, 1954. Also attached is a Supplemental Exhibit showing the actual production figures both as to MCF and as to actual money value of all wells in this Unit from date of first production through August, 1954. This schedule will show the average daily MCF and average daily value that each well produced while they were turned into the pipeline system. The days that they were shut-in is not taken into consideration but only the actual production divided by the number of producing days.

From these actual production figures it appears that two (2) wells in this Unit might never pay out. These two wells are the Dawson #1 and the Manning #1. However, in order to obtain the commitment of Section 2 and the Manning State #1 Well, in the SW/4 thereof, we advised Bay Petroleum Corporation, Phillips Petroleum Company and Pubco Development, Inc., that this well would be included in the participating area. Even though these subsequent production figures make the payout of the Manning #1 Well, by itself, questionable we feel obligated to include this well in the participating area.

The initial potential of, and actual production from the Dawson #1 Well both show that this well is not capable of producing unitized substances in paying quantities. This well has been retested and made only 162 MCF initial potential and the well is, in the opinion of our engineers, uefinitely bridged. As Unit Operator we believe that the Dawson #1 Well should be reworked and the potential increased before this well should be admitted to the participating area as a well capable of producing unitized substances in paying quantities. We believe that all of the completed wells in the unit but the Dawson #1 should be included in the participating area and we hereby determine that the following wells are capable of producing unitized substances in paying quantites:

<u>Well Name</u>	<u>Drilling Tract In Participating Area</u>
Daum #4-A	E/2, Section 1
Daum #5-A	W/2, Section 1
Manning #1	W/2, Section 2
Daum #3-A	E/2, Section 3
Nye #1	W/2, Section 3
Daum #2-A	E/2, Section 4
E.P.N.G. Co. Hodges #1	E/2, Section 5
D. H. Bolin Hodges #1	W/2, Section 5
Hickman #1	W/2, Section 6
Hickman #2	W/2, Section 7
Candelaria #1	W/2, Section 9
Pierce #1	W/2, Section 10
Luce #1	W/2, Section 15
Hoxey State #1	E/2, Section 16
Hoxey State #2	W/2, Section 16
Daum #1-A	E/2, Section 18
Bolack #1	W/2, Section 18
Marshall #1	W/2, Section 19
Hardie #1-C	E/2, Section 19
Marshall #6	W/2, Section 29
Marshall #5	E/2, Section 30
Hardie #1-B	W/2, Section 30
Marshall #3	W/2, Section 31
Marshall #2	E/2, Section 31
Marshall #4	W/2, Section 33
Bolack #2	E/2, Section 33

The Initial Participating Area contains 9060.14 acres and is composed of the above twenty-six (26) drilling blocks and four (4) intervening drilling blocks as follows, E/2 Section 2, W/2 Section 4, E/2 Section 6, E/2 Section 9, Township 29 North, Range 7 West, N.M.P.M.

Attached hereto is our Schedule I legally describing the proposed participating area, showing the percentage of unitized substances to be allocated to each unitized tract and also showing the exact breakdown of the percentages so allocated to each tract according to the various ownerships in said tract. In view of the size of the initial participating area we were unable to get all of this information on one schedule and have therefore made a separate sheet for each drilling block insofar as we were able to do so.

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

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

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

RLH/BG/mas
Enclosures
cc: Attached List

SCHEDULE NO. 1
 SAN JUAN 29-7 UNIT
 COMPLETED WELLS AS OF SEPTEMBER 3, 1953

Name of Well	Drilling Block	Spud Date	Completed	Initial Potential	SIPC	SIPT	Date of Tie-in
<u>El Paso Natural Gas Company</u>							
Bolack #1	W/2 18-29-7	12-19-51	9-6-52	3460 MCF	6 HR. Blowdown	1071	10-6-52
R. W. Bolack #2	E/2 33-29-7	9-21-53	10-7-53	4640 MCF	3 HR. Blowdown	1092	4-13-54
Daum 1-A	E/2 18-29-7	11-11-52	12-22-52	3460 MCF	6 HR. Blowdown	1059	4-9-53
Daum 2-A	E/2 4-29-7	7-1-53	7-23-53	3500 MCF	3 HR. Blowdown	1028	8-16-53
Daum 3-A	E/2 3-29-7	7-22-53	8-22-53	3020 MCF	3 HR Blowdown	1041	10-15-53
Daum 4-A	E/2 1-29-7	8-25-53	9-27-53	3780 MCF	3 HR. Blowdown	979	11-10-53
Daum 5-A	W/2 1-29-7	9-30-53	11-4-53	3780 MCF	3 HR. Blowdown	987	11-15-53
Hardie 1-B	W/2 30-29-7	1-23-53	5-6-53	3120 MCF	3 HR. Blowdown	958	6-8-53
Hardie 1-C	E/2 19-29-7	8-21-53	9-14-53	4160 MCF	3 HR. Blowdown	1043	1-11-54
D. H. Bolin Hodges #1	W/2 5-29-7	1-31-53	4-3-53	2130 MCF	6 HR. Blowdown	1046	4-23-53
Hodges #1	E/2 5-29-7	7-25-53	8-14-53	4260 MCF	3 HR. Blowdown	1091	9-4-53
Marshall #1	W/2 19-29-7	12-12-53	1-26-53	2630 MCF	6 HR. Blowdown	930	4-24-53
Marshall #2	E/2 31-29-7	8-10-53	8-28-53	3020 MCF	3 HR. Blowdown	1051	4-6-54
Marshall #3	W/2 31-29-7	8-29-53	9-19-53	3210 MCF	3 HR. Blowdown	991	4-6-54
Marshall #4	W/2 33-29-7	9-16-53	10-20-53	2830 MCF	3 HR. Blowdown	863	4-13-54
Marshall #5	E/2 30-29-7	10-23-53	11-10-53	5878 MCF	3 HR. Blowdown	1054	12-8-53
Marshall #6	W/2 29-29-7	11-13-53	12-3-53	3020 MCF	3 HR. Blowdown	1061	4-13-54

Name of Well	Drilling Block	Spud Date	Completed	Initial Potential	SIPC	SIPF	Date of Tie-in
Nye #1	W/2 3-29-7	12-14-52	2-16-53	3710 MCF 6 HR. Blowdown	1008	1011	3-14-53
Pierce #1	W/2 10-29-7	11-2-52	12-16-52	1694 MCF 3 HR. Blowdown	976	-----	2-18-53
<u>Southern Union Gas Company</u>							
Dawson #1	W/2 17-29-7	9-19-52	11-7-52	728 MCF 6 HR. Blowdown	1090	-----	1-9-53
Hoxsey State #1	E/2 16-29-7	4-27-52	10-9-52	2830 MCF 3 HR. Blowdown	1082	-----	1-8-53
Hoxsey State #2	W/2 16-29-7	5-22-52	12-17-52	3050 MCF 3 HR. Blowdown	1088	-----	8-17-53
Luse #1	W/2 15-29-7	11-10-52	12-24-52	2410 MCF 6 HR. Blowdown	1077	-----	1-17-53
Candelaria #1	W/2 9-29-7	5-12-53	7-18-53	3540 MCF 3 HR. Blowdown	1068	-----	12-7-53
<u>Skelly Oil Company</u>							
Hickman #1	W/2 6-29-7	3-23-52	10-18-52	2500 MCF 6 HR. Blowdown	1057	1057	3-11-53
Hickman #2	W/2 7-29-7	5-13-53	7-4-53	4012 MCF 3 HR. Blowdown	900	-----	-----
<u>Bay Petroleum Corp.</u>							
Manning #1	W/2 2-29-7	10-18-52	1-28-53	1250 MCF 6 HR. Blowdown	954	-----	11-23-53

SCHEDULE NO. 1
SAN JUAN 29-7 UNIT
COMPLETED WELLS AS OF Sept. 3, 1954

EI Paso Natural Gas Company	19 Wells
Southern Union Gas Company	5 Wells
Skelly Oil Company	2 Wells
Bay Petroleum Corporation	1 Well
Total Completed Mesaverde Wells	<u>27</u>

29-7 UNIT PRODUCTION DATA AS OF SEPTEMBER 1, 1955

<u>WELL</u>	<u>TOTAL MCF</u>		<u>TOTAL VALUE</u>		<u>NUMBER OF</u>		<u>MCF</u>		<u>VALUE</u>		<u>PERCENT</u>	
	<u>PRODUCED</u>				<u>DAYS PRODUCED</u>		<u>PER DAY</u>		<u>PER DAY</u>		<u>OF</u>	<u>POTENTIAL</u>
Bolack #1	155,852		\$15,703.62		553		282		\$28.40		08%	3460
Bolack #2	34,981		4,279.82		70		500		61.14		11%	4640
Daum #1-A	105,366		13,809.52		251		420		55.02		12%	3460
Daum #2-A	83,845		8,960.86		236		355		37.97		10%	3500
Daum #3-A	52,131		5,747.75		164		318		35.05		11%	3020
Daum #4-A	69,766		7,941.54		183		381		43.40		10%	3780
Daum #5-A	49,034		5,643.58		217		226		26.01		06%	3780
Bolin Hardie #1-B	29,082		2,925.04		235		124		12.45		04%	3120
Hardie #1-C	51,593		6,279.56		142		363		44.22		09%	4160
Bolin Hodges #1	67,426		7,005.68		375		180		18.68		08%	2130
Hodges #1	97,216		11,136.00		224		434		49.71		10%	4260
Marshall #1	103,048		10,669.46		259		398		41.19		15%	2630
Marshall #2	24,302		2,931.16		92		264		31.86		09%	3020
Marshall #3	22,807		2,736.84		94		243		29.12		08%	3210
Marshall #4	14,885		1,786.20		77		193		23.20		07%	2830
Marshall #5	80,933		12,716.44		157		515		81.00		09%	5878
Marshall #6	34,236		4,201.38		97		353		43.31		12%	3020
M. Mizel Nye #1	85,283		8,435.91		455		187		18.54		05%	3710
M. Mizel Pierce #1	155,877		16,120.96		321		486		50.22		29%	1694
Dawson #1	23,353		2,312.64		303		77		7.63		11%	728
Hoxey State #1	86,130		8,823.06		335		257		26.34		09%	2830
Hoxey State #2	102,113		10,417.02		202		506		51.57		17%	3050
Luse #1	35,408		3,492.24		230		154		15.18		06%	2410
Candelaria #1	31,153		3,550.20		134		232		26.49		07%	3540
Hickman #1	132,257		13,579.92		384		344		35.36		14%	2500
Manning #1	33,946		3,564.09		394		86		9.05		07%	1250

Hickman #2

Not tied into El Paso Natural Gas Company's gathering system.