

UNITED STATES DEFARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

P. O. Box 6721 Rosmell, New Mexico

December 6, 1956

El Pase Matural Gas Company

P. O. Box 1492

El Paso, Texas

Centlement

Your supplemental plan of development for the Son Juan 29-7 Unit, Bio Arriba County, New Mexico, covering the remainder of the calender year for 1950, 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,

Regional Oil and Gos Supervisor

Engl..l

Copy to: Commissioner of Public Land, Santa Fe (Letter only)

Voil Conservation Commission, Santa Fe (Letter only)

Li 7. H

El Paso Natural Gas Company

El) Paso, Texas

December 6, 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

Otl 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

li le

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 shutin 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.

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 sandwater 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

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 return to don

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 $\rm W/2$ 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

1) & Dan

Manager

Lease Department

RLH: RDJ:nb

Attachment

cc: Attached List

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

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 San Juan 29-7 Unit Working Interest Owner

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

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. Vandwer

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 Mexic by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the County, New Mexico 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	SIGNATURE
800 Loma Linda Place SE	folder of the
Albuqerque, New Mexico	Elmy L'mcky
Date: June 28, 1956	
Date:	
	Mill for the Philips Bettle and the Charles and Artifa Charles and the charles are questioned and the consideration and an assessment.
Date:	
Approved, and Consented to: STANOLIND OIL AND GAS COMPANY BY Working Interest Owner Date: JUL 1 0 1956	Vice-President 44
Date: 501 10 1530	Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL MACCIMPANY

By Vice President

UNIT GPERATOR

COUNTY OF BERNALILIO) SS				
On this 28th day of June, 19	95 <u>6</u> , befo	ore me per	sonally (appeared
Horace F. McKay and Elmyra K. McKay, h	usband and	wife		
		*		
to me known to be the person s described in ment, and acknowledged that they executed	and who the same	executed t	he forego	oing ins
IN WITNESS WHEREOF, I have hereunto sethe day and year in this certificate above		and affixe	ed my off	icial se
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My Commission Expires June 17, 1959		THUM		<u> </u>
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COUNTY OF				
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CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juah Unit Area, Rio Arriba County, New Mexico 29-7 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 consideratio 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		SIGNATURE	
P.O. Box 15		Juan & Tupe	
Blanco, N.M.		Doroten Valdes Jopes	
Date: April 6, 1956			
Date:	ann an ghuin an an dh ghida		
	Advisoration (and all to grant all to design		
Date: Approved and Consented to: STANOLIND OIL AND GAS COMPANY By: Vide-President	APPROVED	Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION By: Nice-President	ΩĐ
Working Interest Owner	VIE 4	Working Interest Owner	M
Date:APR 17 1956		<i>r</i>	. F

APPROVED AND OCNSEMED TO:
EL PASOMATURAL CAS OCMPANY
By
Vice Fresident

APPROVED AND OCNSEMED TO:

UNIT CPERATOR

STATE OF NEW MEXICO	
COUNTY OF SAN JUAN) ss ·)
On this 6th day of App	ril , 1956 , before me personally appeared
Juan I. Lopez and Dorotea	Valdez Lopez, being husband and wife
to me known to be the person sment, and acknowledged that the	described in and who executed the foregoing instru- y executed the same as their free act and deed.
IN WITNESS WHEREOF, I have the day and year in this certifi	hereunto set my hand and affixed my official seal cate above written.
My commission expires:	Film to the
June 17, 1959	Notary Fublic
STATE OF	_ > ss
COUNTY OF	_} 333
On this day of	, 195, before me personally appeared
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ment, and acknowledged that	described in and who executed the foregoing instruence executed the same as free act and deed. hereunto set my hand and affixed my official seal icate above written.
My commission expires:	
	Notary Public
STATE OF	
	_) }- SS-
STATE OF day of	_))- SS
COUNTY OF	_)
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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 CIL 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
My commission expires:
Madrie M. Chlams
My Commission Expires October 4, 1959 Mayine Me addams Notary Public Maxine MeAdams
STATE OF)
COUNTY OF
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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 saidacknowl-
edged said instrument to be the free act and deed of said corporation.
Given under my hand and notarial seal this day of
My commission expires:
Notary Public
STATE OF) COUNTY OF)
COUNTION
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by me duly sworn, did say that he is the President of and that the seal affixed to said instru-
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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.
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Given under my hand and notarial seal this day of
9 *1
My commission expires:
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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	SIGNATURE .
Durango, Colo.	- Della J. Griffith.
786 6th Ave	Della T. Griffith
Date: April 19, 1956	
Date:	
· ·	
Date: Approved and Consented to: By:	Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION By:
T. H. McElvain, Working Interest Owner	Vice-President Working Interest Owner
Date: 5/2/56	Jen Sant 1974
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	Notary Fublic			
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tani gaioge	executed the for a second	nsdand to so of of husband the same same the same	by virtu	Ils T. Griffith, a Widow, to be the person to be the person day and year in this certificant and sear in this certification expires:

STATE OF COLORADO

El Paso Matural Gas Company 5 000

El Paso, Texas

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, Fract 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 Area Landman

mes C. Vandiner

Lease Department

JCV:BG:pb Enclosures

Tract 42

El Paso Matural Gas Company El Paso, Texas

ON A

May 3, 1956

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

Re: San Juan 29-7 Unit Tract 34

Gentlemen:

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

- 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 23-7 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 Area Landman

Lease Department

JCV:BG:pb
Enclosures

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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

<u>ADDRESS</u>	SIGNATURE
ATTEST:	ALBUQUERQUE ASSOCIATED OIL COMPANY
The S. Sodeliffe Assistant Secretary	By Wiee President
Assistant Secretary Date: 3/14/56	
•	
Date:	
ALPHRIXARIA XIMIX	

Vice President

PHIT OF FRATCH & WORKING INTEREST OWNER

WOODSTANDS X TO RECOMMEND X

STATE OF NEW LEXICO	
STATE OF NEW MEXICO) SS.:	
	10° / 10° 1
	h, 195 6, before me appeared
by me duly sworn, did say that he is the ASSOCIATED OIL COMPANY and to is the corporate seal of said corporation,	_, to me personally known, who, being President of ALBUQUERQUE hat the seal affixed to said instrument and that said instrument was signed
and sealed in behalf of said corporation by and said <u>Dudley Cornell</u> the free act and deed of said corporation.	y authority of its board of directors,
IN WITNESS WHEREOF, I have hereuseal the day and year in this certificate	nto set my hand and affixed my official first above written.
My Commission expires:	
Sentember 30, 1959	mach W Radleppe
	Notary Public in and for
STATE OF) SS.:	
COUNTY OF) SS.:	
On this day of	, 195, before me appeared
and	
his wife, to me known to be the persons de going instrument, and acknowledged to me tand deed.	
My Commission expires:	
	Notary Public in and for
	County, State of
STATE OF)	
) SS .:	
COUNTY OF)	
On thisday of	, 195, before me personally
the person described in and who executed to me thathe executed the same	, a single person, to me known to be he foregoing instrument, and acknowledged asfree act and deed.
My Commission expires:	
	Notony Dublic in sed for
	Notary Public in and forCounty, State of

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

San Juan 29-7 Unit , in form and Interior, the undersigned owners of lands presently held or which may arise under exinterests in production covered by said Unextent of his or her particular ownership consented to the inclusion of said lands wand do hereby approve, adopt and ratify the form and as submitted to the United St with the submission of Unit Agreement for said Unit Area.	oproved by the Secretary of the or leases or interests therein disting option agreements or other nit Operating Agreement, each to the or interest, as may appear, have within the Unit Area therein defined, he said Unit Operating Agreement in tates Geological Survey in connection the Development and Operation of the of Unit Operating Agreement may be the the same force and effect as if all shall be binding upon all those who of whether or not it is executed by
and when so executed shall be binding upor or assigns, subject to all the terms, proting Agreement.	<u> </u>
ADDRESS	SIGNATURE
ATTEST:	ALBUQUERQUE ASSOCIATED OIL COMPANY
Jus 24. Radeliff Assistant Secretary	By Mean Survey President
Date: 3/14/56	
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Date:	
APPROVED: AND: CONSENTED: TO:	
By dxxAxxPierre HorkingxInterestxOwner	AFPROVED AND RONSENTED TO: TI PASS TUTAL RAS COMPANY RV Vice President

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STATE OF NEW SEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 39-7 Unit
Development and Operation of the San Juan 27-7 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 modifica-
tions 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 drill-
ing, 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 pro-
duction 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
Dutando, Loto.	Adolph Soens
	I Christine Loen
Date:	J. Christine Soens
Date:	
APPROVED AND CONSENTED TO:	APPROVED AND CONSENTED TO:
By J. A. Pierce	ALBUQUERQUE ASSOCIATED OIL COMPANY BY

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

EL PASO VATURAL DES COMPANY

By Vice President

WORKING INTEREST OWNER

STATE OF	
COUNTY OF) SS	• \$
On this	day of, 195, before me appeared
by me duly sworn, did say t	hat he is thePresident of
is the corporate seal of sa and sealed in behalf of said and said the free act and deed of sa	and that the seal affixed to said instrument id corporation, and that said instrument was signed deprecation by authority of its board of directors, acknowledged said instrument to be id corporation.
	F, I have hereunto set my hand and affixed my official is certificate first above written.
My Commission expires:	
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	Notary Public in and for Gounty.
	State of
STATE OF Colorado) SS SOUNTY OF Lattatu)	• :
his wife, to me known to be	and Shustone Stews the persons described in and who executed the fore- wledged to me they executed the same as their free act
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	Notary Bublic in and for
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·	day of, 195, before me personally
appearedthe person described in and	, a single person, to me known to be who executed the foregoing instrument, and acknowledged ecuted the same asfree act and deed.
lty Commission expires:	

	Notary Public in and forCounty,
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RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the
Development and Operation of theSan 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 modifica-
tions 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 drill-
ing, 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 pro-
duction 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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Autor. Row Mar	SIGNATURE J. A. Pierce Katharine L. Pierce
Date: 30.1955	
Date: 1955 APPROVED AND CONSENTED TO:	

BART CFERMICR

ALBUQUERQUE ASSOCIATED OIL COMPANY

WORKING INTEREST OWNER

Presedent

STATE OF)) SS.:	
COUNTY OF) 33.1	
On this	day of	, 195, before me appeared
		, to me personally known, who, being
by me duly sworn, did	say that he is t	he President of not that the seal affixed to said instrument
and spoled in habelf	of said corporation	ion, and that said instrument was signed on by authority of its board of directors, acknowledged said instrument to be ion.
		ereunto set my hand and affixed my official ate first above written.
My Commission expires	:	
	_	Notary Public in and for
		State of County,
		State of
STATE OF)) SS.:	
COUNTY OF)	
his wife, to me known going instrument, and and deed. My Commission expires April 1	to be the person acknowledged to	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
		, a single person, to me known to be ed the foregoing instrument, and acknowledge same asfree act and deed.
My Commission expires	:	
	-	Notary Public in and for
		State of County,

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

In considerate Unit Agreement for the Insan Juan 29-7 Unit Interior, the undersigned held or which may arise production covered by sand her particular ownerships sion of said lands with adopt and ratify the said to the United States Geometric Agreement for the Development	Development and Area ed owners of land under existing of id Unit Operation or interest, as in the Unit Area id Unit Operating ological Survey	Operation of in form appr ds or leases option agree mg Agreement s may appear therein def g Agreement in connection	oved by the Secret or interests ther ments or other int, each to the exte , have consented t ined, and do hereb in the form and as n with the submiss	eary of the rein presently terests in ent of his or to the incluy approve, a submitted
This Ratificate ted in any number of counted had signed the same docu counterpart hereof, regarderaties owning or claims executed shall be binder subject to all the terms ment.	unterparts with ment and shall lardless of whether ing an interest ag upon the under	the same for be binding uper or not it in the lands rsigned, his	pon all those who is executed by al affected hereby, or her successors	f all parties execute a l other and when so or assigns,
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President	-	Office Of Chieffs		

WORKING INTEREST OWNER

DEC 29 1955



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

P. O. Bex 6721 Rogwell, New Mexico

February 8, 1956

El Pago Haturel des Company P. O. Box 1492 El Pago, Toxas

Attentions Mr. R. L. Hamblin

Contlanens

Your plan of development dated December 21, 1955, for the San Juan 29-7 Unit, New Mexico, for the calcular 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 Cil & Gas Supervisor

Engloauro

Copy to: Wesh (w/copy of plan)
Comm. of Public Lands, Santa Po (Ltr. only)
Oil Cons. Comm. Santa Fo (Ltr. only)

OIL CONSERVATION COMMISSION P. O. BOX 871

SANTA FE, NEW MEXICO

January 30, 1956

El Pase Natural Gas Company P. O. Box 1492

El Paso, Texas

Attention: Mr. R. L. Hamblin

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:jb

cc: U. S. Geological Survey, Roswell Commissioner of Public Lands, Santa Fe 100 VX

January 17, 1956

El Paso Natural Gas Company

El Paso, Texas

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 \mathcal{P}_{aso} , \mathcal{T}_{exas} 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 Mesaverde 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 formatiom, such Drilling Program to constitute all of our drilling obligations for such year. The proposed drilling blocks are as follows:

Drilling Block	<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

R. L. Hamblin, Manager

Lease Department

RLH:BG:pb

cc: Attached List

APPROVED:	DATE:
	Director, United States Geological Survey
	Subject ot like approval by the appropriate State officials.
APPROVED:	DATE:
	Commissioner of Public Lands
	Subject to like approval by the U.S.G.S. and Oil Conservation Commission.
APPROVED:	W & macey DATE: JAN 3 0 1956
	Oil Conservation Commission
	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 6

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 Lookout 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

У_____

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

R. L. Hamblin, Manager

Lease Department

RLH:BG:pb

cc: Attached List

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 II (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 twentythree 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

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

San Juan 29-7 Unit Ratification and **Joinders**

Gentlemen:

Attached hereto please find the following:

- Photostatic copy of Ratification and Joinder to the San Juan 29-7 Unit Agreement executed by Ethel R. Emigh committing her basic royalty interest.
- 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

R. L. Hamblin

Manager

Lease Department

RLH/BG/eb

cc: Attached list

U. S. GEOLD.
ADSWELL HER MAN

APPROVED

HL VIID GAS COMPANY

MIEREST OWNER

RATIFICATION AND JOINDER OF UNIT AGREEMENT

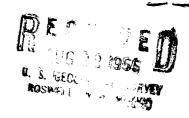
In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 297 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein 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.

Box 2/9 Durango, Calarado	SIGNATURE Ethel R. Emigh
Date: Dec. 8, 1954	
Date:	APFRO'ID AND CONSENTED TO: L PASO NATURAL LAS COMPANY BY 77 96
	Vice President UNIT CPERATOR

TR 37-6

)	
On this	day of	, 195, before me appeared
		, to me personally known, who, being ePresident of
by me duly sworn, did	say that he is th	e President of that the seal affixed to said instrumen
is the corporate seal and sealed in behalf of	of said corporati	on, and that said instrument was signed n by authority of its board of director
the free act and deed	of said corporati	acknowledged said instrument to b on.
		reunto set my hand and affixed my offic te first above written.
My Commission expires:		
		Notary Public in and for
•		State of County,
STATE OF		•
j	ss.:	
COUNTY OF)		
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STATE OF Colorado) COUNTY OF La Plata) On this appeared	day of Me Cinciple n and who execute	County, State of 195 , before me person, to me known and the foregoing instrument, and acknowled ame as her free act and deed. Notary Public in and for Japlaca County,
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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 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			James Gussell
				James L. Russell
Date:				
			-	
Date:				

APPROVED AND CONSENTED TO: EL PASO NATURAL GAS COMPANY

Vice President

76 37 P

UNIT OPERATOR

APPROVED AND COMSENSED TO :
STANGIAN CELLAND CAS COMPANY
BY

APPROVED

, , , , , , , , , , , , , , , , , , ,	
STATE OF)	
OUNTY OF	
,	
On thisday of	, 195, before me appeared
by me duly sworn, did say that he is th	to me personally known, who, being President of
is the corporate seal of said corporation and sealed in behalf of said corporation said	that the seal affixed to said instrument ion, and that said instrument was signed on by authority of its board of directors, acknowledged said instrument to be
the free act and deed of said corporati	ion.
IN WITNESS WHEREOF, I have he seal the day and year in this certificate	ereunto set my hand and affixed my official ate first above written.
ty Commission expires:	
	Notary Public in and for
	State ofCounty,
	orace or
STATE OF	
county of) ss.:	
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On thisday of	, 195, before me appeared
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his wife, to me known to be the persons going instrument, and acknowledged to mand deed.	ands described in and who executed the fore- me they executed the same as their free act
maria decelo	
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	Notary Public in and for
My Commission expires:	Notary Public in and forCounty,
	Notary Public in and for
	Notary Public in and forCounty,
dy Commission expires:	Notary Public in and forCounty,
STATE OF COLORADO) SS.:	Notary Public in and forCounty,
STATE OF COLORADO) SS.:	Notary Public in and forCounty,
STATE OF COLORADO) COUNTY OF LA PLATA)	Notary Public in and forCounty, State of
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STATE OF COLORADO) SS.: COUNTY OF LA PLATA) On this <u>9th</u> day of <u>Description of the person described in and who executed to me that he executed the second description of the person described in and who executed the second description of the executed the second description of the executed the second description described in and who executed the second description description described in an and who executed the second description description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed the second description described in an and who executed described description described des</u>	Notary Public in and forCounty, State of, lefore me personal sole and xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
STATE OF COLORADO) COUNTY OF LA PLATA) On this 9th day of particular for the person described in and who executed to me that he executed the second seco	Notary Public in and forCounty, State of, before me persona separate property to me known to to the foregoing instrument, and acknowledge

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 Arrib	<pre>a State of</pre>	
New Mexico in form approved on behalf of the Secre	etary of the Interior, the	
undersigned owners of lands or leases, or interest	ts therein or royalties	
presently held or which may arise under existing of		
interests in production covered by said Unit Agree		
to the extent of his or her particular ownership		
consent to the inclusion of said lands within the		
ratify, approve and adopt the terms of said Unit A		
tions thereof approved by the Secretary of the Int		
representative as applicable to said several lands		
the term of any lease given by the undersigned or		
claims an interest herein is extended and modified		_
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in which their several rights and interests are co		
deemed fully performed by performance of the provi		,
and agree that payment for or delivery of (whicher		
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duction allocated under said Unit Agreement to the		
such rights or interests do or shall apply, regard		
therefrom, shall constitute full performance of a		
undersigned existing under such leases or other co	ontracts.	

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
100 horth Tribard Sysnes	C. H. Nye
The mine was the same of the s	Linda Nye
Date: March 12. 1755	
905 Kennedy Building	
Tulsa, Oklahorna	
Date: March 29, 1955	
APPROVED AND CONSENSED TO: EL PASO NATURAL GAS COMPANY By	By Morris Mizel WORKING INTEREST OWNER

29-7 Unit

Vice President
WORKING INTEREST OWNER

STATE OF)	
COUNTY OF) SS.:	
On thisday	y of, 195, before me appeared
by me duly sworn, did say tha	t he is the President of and that the seal affixed to said instrument
is the component seel of seid	and that the seal affixed to said instrument corporation, and that said instrument was signed
and seafed in Denair or said (corporation by authority of its board of directors.
the free act and deed of said	acknowledged said instrument to be corporation.
IN WITNESS WHEREOF, seal the day and year in this	I have hereunto set my hand and affixed my official certificate first above written.
My Commission expires:	
	Notary Public in and for
	County, State of
SMA TO OF	
STATE OF SERVICE SS.:	
COUNTY OF GAR FURTY)	
On this if day of	, 195 , before me appeared
	and LEV JO MYE
his wife, to me known to be the	ne persons described in and who executed the fore-
going instrument, and acknowle	edged to me they executed the same as their free act
My Commission expires:	
September 1, 1998	Von C. Mullen
in the second	Notary Public in and for See See
	State of New Mexico
STATE OF) SS.:	
COUNTY OF)	
On this day	of, 195, before me personally
the person described in and wh	a single person, to me known to be no executed the foregoing instrument, and acknowledged ited the same asfree act and deed.
My Commission expires:	
	Notary Public in and for
	State of

State of

In consideration of the execution of the Unit Agreement for the
Development and Operation of the Son 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 modifica-
tions 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 drill-
ing, 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 pro-
duction 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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Tallan 2 Lular	Bm Sym
Date: 14 ril 7, 1954	
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	w.P. Luse
	B.M. Luse
Dates	
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 that the seal affixed to said instrument
and sealed in behalf	of said corporation	on, and that said instrument was signed by authority of its board of directors, acknowledged said instrument to be on.
the free act and deed	of said corporation	on.
		reunto set my hand and affixed my official te first above written.
My Commission expires	: :	
	-	Notary Public in and for
		State ofCounty,
		504 06 01
STATE OF TEXAS COUNTY OF DALLAS)	
COUNTY OF DALLAS) 55.:	
On this 7th	h day of Abril	, 195 <u>4</u> , before me appeared
W. P. I	use and	B. M. Luse
		described in and who executed the fore- e they executed the same as their free act
My Commission expires	:	
6-1-55		Walan Strank
0-1-35	-	Opal Tucker Notary Public in and for
		Notary Public in and for
		State of Texas
		*
STATE OF)) SS.:	
COUNTY OF)	
On this	day of	, 195, before me personally
appeared	in and who executed	, a single person, to me known to be it the foregoing instrument, and acknowledged ame asfree act and deed.
My Commission expires	5 :	
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		Notary Public in and forCounty,
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State of_

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 modifica-	
tions thereof approved by the Secretary of the Interior or his duly authorize	ed
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 t	
make the same conform to the terms of said Unit Agreement, agree that the dr	
ing, development and producing requirements of all leases and other contract.	S
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	nt,
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 pro-	
duction 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-Morth Lorena
Date: Iful 17-1954

Jamington Naw Mario

Jamington Naw Mario

Jamington Naw Mario

Date: April - 17-1954

STATE OF) SS.:	
COUNTY OF) 33.1	
On this	day of	, 195, before me appeared
	<u> </u>	, to me personally known, who, being
		the President of and that the seal affixed to said instrument
is the corporate seal and sealed in behalf	of said corpor	_and that the seal affixed to said instrument ration, and that said instrument was signed ation by authority of its board of directors,
and said	.611	acknowledged said instrument to be ation.
the free act and deed	oi said corpor	ation.
		hereunto set my hand and affixed my official ficate first above written.
My Commission expires	:	
	-	Western Debits in and for
		Notary Public in and for
		State of
STATE OF New Lexico)	
STATE OF New Lexico COUNTY OF San Juan) SS.:	
GOONIT OF	,	
On this 23r	d day of Apr	il , 1954 , before me appeared
William cansfield		and Jane Hansfield
his wife, to me known going instrument, and and deed.	to be the pers	sons described in and who executed the fore- to me they executed the same as their free act
My Commission expires:	•	
∍ept. 13, 1956		Patricia de la lacar
	-	- raceac sec-
		Notary Public in and for San Juan
		Notary Public in and for San Juan County, State of New Mexico
STATE OF)	
COUNTY OF)) SS.:	
	, a	305
		, 195, before me personally
appeared	in and who exec he executed th	a single person, to me known to be cuted the foregoing instrument, and acknowledge same asfree act and deed.
My Commission expires	_	
	•	
		Notary Public in and forCounty,
		State ofCounty,

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 modifica-
tions 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 drill-
ing, 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 pro-
duction 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

503-1" Juli Bruk My Daniel Phreting

The Juli Bruk My Daniel Phreting

Date: March 17-54

Juli Rolling

Monguerque MM

Date: 3-17-54

STATE OF) 00 .	
COUNTY OF) SS.;)	
On this	day of	, 195, before me appeared
		, to me personally known, who, being
by me duly sworn, dic	d say that he is t	the President of
and sealed in behalf	l of said corporati	and that the seal affixed to said instrument ion, and that said instrument was signed on by authority of its board of directors, acknowledged said instrument to be ion.
In witness	WHEREOF, I have h	ereunto set my hand and affixed my official ate first above written.
My Commission expire	s :	
		Webser Dablis to and for
		Notary Public in and for Gounty,
		State of
and an aller I word	Versi	
STATE OF MEN MEN COUNTY OF Bernslile	SS.:	
	,	
his wife, to me known	day of <u>Mare</u> an to be the person diacknowledged to	nd
My Commission expire	s:	
1/21/55		Famous / Stiff
,		Notary Public in and for
STATE OF)	
COUNTY OF) SS.:)	
On this	day of	, 195, before me personally
appeared the person described to me that	in and who execut	a single person, to me known to be ed the foregoing instrument, and acknowledge same asfree act and deed.
My Commission expires	s:	
		Notary Public in and for
		State of County,

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 modifica-
tions 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 drill-
ing, 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 pro-
duction 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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ADDRESS

Mashington Journe Hours

Shurepost La

Place Hamon Truest

Date:

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, die	d say that he is the	he President of that the seal affixed to said instrument
and sealed in hehalf	of said corporation	ion, and that said instrument was signed on by authority of its board of directors, acknowledged said instrument to be lon.
IN WITNESS	WHEREOF, I have he	ereunto set my hand and affixed my official ate first above written.
My Commission expire	s:	
		Notary Public in and forCounty,
		State of
STATE OF LOUISIANA PARISH COUNTY OF CADDO) } SS.:	
On this /	5 day of ma	nch, 195 h, before me appeared
his wife, to me know going instrument, and and deed,	n to be the person d acknowledged to	nd Grace Kramer Ernest s described in and who executed the fore- me they executed the same as their free act
My Commission expire	s :	
at death		Flores Green
		Notary Public in and for Caddo Parish Control State of Louisiana
STATE OF)	
COUNTY OF) SS.:)	
On this	day of	, 195, before me personally
		, a single person, to me known to be ed the foregoing instrument, and acknowledge same asfree act and deed.
My Commission expire		 -
	reals.	
		Notary Public in and for
		Notary Public in and for County, State of

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 modifica-
tions 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 drill-
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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 pro-
duction allocated under said Unit Agreement to the particular lands to which
such rights or interests do or shall apply, regardless of actual production
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undersigned existing under such leases or other contracts.

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ADDRESS

Capitol Building

Midland, Texas

Date: March 18, 1954

九 347

STATE OF)	
COUNTY OF) SS.:)	
On this	day of	, 195, before me appeared
		. to me personally known, who, being
by me duly sworn, di	d say that he is th	to me personally known, who, being President of d that the seal affixed to said instrument
and 61 - 4 - 4 - 4 - 4 - 4 - 4	l of said corporati	on, and that said instrument was signed in by authority of its board of directors, acknowledged said instrument to be on.
IN WITNESS	WHEREOF, I have he	reunto set my hand and affixed my official te first above written.
My Commission expire	·S\$	
		Notary Public in and for
		Notary Public in and forCounty, State of
		State of
COUNTY OF Midians))	
COUNTY OF Mideans	L }	
On this 18	3th day of March	, 1954 before me appeared
	·	· · · · · · · · · · · · · · · · · · ·
	m to be the persons	d Derothy Tripp Rutter de described in and who executed the fore- de they executed the same as their free act
My Commission expire	8:	
June 1, 1955		Helen bone
		Notary Public in and for
		Midland County,
		State of Texas
STATE OF)) SS•:	
COUNTY OF)	
On this	day of	, 195, before me personally
appeared	in and who execute	a single person, to me known to be the foregoing instrument, and acknowledge ame asfree act and deed.
My Commission expire		
		Notary Public in and for County,
		State of

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 modifica-
tions 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 drill-
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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 pro-
duction 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.
and to the court of the court o

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TR. 10, 10A, 14, 14A

<u>ADDRESS</u>	SIGNATURE
P. O. Box 153	Thomas Hugie
El Peso, Texas	Mabelle Hardu
Date: Pebruary 23, 1954	
Date:	

	\ 60	
COUNTY OF) SS.:)	
On this	day of	, 195, before me appeared
by me duly sworn, did	say that he is the	, to me personally known, who, beingPresident of
and sealed in behalf	of said corporation of said corporation	that the seal affixed to said instrument n, and that said instrument was signed by authority of its board of directors, acknowledged said instrument to be n.
the free act and deed	l of said corporation	ı.
		eunto set my hand and affixed my official e first above written.
My Commission expires	3 \$	
	_	Notary Public in and for
		Notary Public in and forCounty, State of
		State of
STATE OF Texas)	
STATE OF Texas COUNTY OF El Paso) SS.:	
JOURTE OF THE FOLLOW	,	
On this 23	day of Pebruar	, 195 , before me appeared
		# • T >
Thomaton Handi	lea	Mahalla Mandia
going instrument, and	to be the persons	Mahalla Mandia
his wife, to me known going instrument, and and deed.	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act
nis wife, to me known going instrument, and and deed. My Commission expires	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act
his wife, to me known going instrument, and and deed.	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Audien Regus
nis wife, to me known going instrument, and and deed. My Commission expires	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Construction Construction
nis wife, to me known going instrument, and and deed. Ty Commission expires	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Audien Regus
nis wife, to me known going instrument, and and deed. Yy Commission expires	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Construction Construction
his wife, to me known going instrument, and and deed. My Commission expires June 1, 1955	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Author Public in and for
his wife, to me known going instrument, and and deed. My Commission expires June 1, 1955	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Author Public in and for
nis wife, to me known going instrument, and and deed. My Commission expires June 1, 1955	to be the persons of acknowledged to me	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Author Public in and for
nis wife, to me known going instrument, and and deed. My Commission expires June 1, 1955 STATE OF COUNTY OF	to be the persons of acknowledged to me S:) SS.:)	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Author Public in and for
nis wife, to me known going instrument, and and deed. Wy Commission expires June 1, 1955 STATE OF COUNTY OF On this	to be the persons of acknowledged to me S: A day of	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Notary Public in and for K1 Peso County, State of Texas
ris wife, to me known going instrument, and and deed. Wy Commission expires June 1, 1955 STATE OF COUNTY OF On this appeared the person described	to be the persons of acknowledged to me S: day of in and who executed	Mabelle Hardie described in and who executed the fore- they executed the same as their free act Notary Public in and for R1 Paso County, State of Texas
his wife, to me known going instrument, and and deed. My Commission expires June 1, 1955 STATE OF COUNTY OF On this appeared the person described to me that	to be the persons of acknowledged to me S: day of in and who executed he executed the sar	Nabelle Hardie described in and who executed the forethey executed the same as their free act Notary Public in and for Kl Paso County, State of Texas , 195, before me personally , a single person, to me known to be the foregoing instrument, and acknowledged
his wife, to me known going instrument, and and deed. My Commission expires June 1, 1955 STATE OF COUNTY OF On this appeared the person described to me that	to be the persons of acknowledged to me S: day of in and who executed he executed the sar	Notary Public in and for
his wife, to me known going instrument, and and deed. My Commission expires June 1, 1955 STATE OF COUNTY OF On this appeared the person described	to be the persons of acknowledged to me S: day of in and who executed he executed the sar	Nabelle Hardie described in and who executed the forethey executed the same as their free act Notary Public in and for Kl Paso County, State of Texas , 195, before me personally , a single person, to me known to be the foregoing instrument, and acknowledged

In consideration of the execution of the Unit Agreement	for the
Development and Operation of the San Juan 29-7 Unit	
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 Inter	rior, the
undersigned owners of lands or leases, or interests therein or roya	alties
presently held or which may arise under existing option agreements.	, or other
interests in production covered by said Unit Agreement hereby seven	rally, each
to the extent of his or her particular ownership or interest, as ma	ay appear,
consent to the inclusion of said lands within the Unit Area therein	
ratify, approve and adopt the terms of said Unit Agreement and any	modifica-
tions thereof approved by the Secretary of the Interior or his duly	
representative as applicable to said several lands and interests, a	agree that
the term of any lease given by the undersigned or under which the undersigned or under which the	
claims an interest herein is extended and modified to the extent no	
make the same conform to the terms of said Unit Agreement, agree the	
ing, development and producing requirements of all leases and other	
in which their several rights and interests are created or defined	
deemed fully performed by performance of the provisions of said Uni	
and agree that payment for or delivery of (whichever may be require	
prior agreements) oil and gas duly made at contract rates applied t	
duction allocated under said Unit Agreement to the particular lands	
such rights or interests do or shall apply, regardless of actual pr	
therefrom, shall constitute full performance of all such obligation	is to the
undersigned existing under such leases or other contracts.	
mile partition and telephone A Mark Assessment on he	

ADDRESS	TR. 10,10A,14,14,	A SIGNATURE	
Q.O. Box 153		and	onbe
El Drag Tura	<u></u> ر	Marion X	Grambling
Date: <u>march 1, 19</u>	<i>5-</i> ′⁄		
			
Date:			

STATE OF	
OUNTY OF) SS.:	
On this day of	, 195, before me appeared
y me duly sworn, did say that he is the	, to me personally known, who, beingPresident of
s the corporate seal of said corporation	that the seal affixed to said instrument n, and that said instrument was signed by authority of its board of directors, acknowledged said instrument to be n.
IN WITNESS WHEREOF, I have her eal the day and year in this certificat	eunto set my hand and affixed my official e first above written.
y Commission expires:	
	Notary Public in and for
	State ofCounty,
TATE OF TEXAS) SS.: OUNTY OF EL PASO) On this lst day of March	, 195 <u>4</u> , before me appeared
	Marion H. Grambling described in and who executed the fore- they executed the same as their free act
Commission expirés:	
May 31, 1955	mary Eller Doughesty
	Notary Public in and for El Paso County, State of Texas
PATE OF	
UNTY OF) SS.:	
On thisday of	, 195, before me personally
opeared	, a single person, to me known to be the foregoing instrument, and acknowledge me as free act and deed.
y Commission expires:	
	Notary Public in and for
	Notary Public in and forCounty,

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,
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tions 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
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deemed fully performed by performance of the provisions of said Unit Agreement,
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prior agreements) oil and gas duly made at contract rates applied to the pro-
duction allocated under said Unit Agreement to the particular lands to which
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therefrom, shall constitute full performance of all such obligations to the
undersigned existing under such leases or other contracts.
mit putting at a self-training of Hude Assessment man be assessed to
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.
successors in interest.
ADDRESS TR. 10, 10A, 14, 14A SIGNATURE
A = A A A A
P. O. Box 153
- The state of the
E. Peso, Toxas AOMALNEO, HOUSE
The boson of the south
Date: Fobruary 24, 1954

Date:

STATE OF)	
COUNTY OF) SS.:)	
On this	day of	, 195, before me appeared
by me duly sworn, did	say that he is the	, to me personally known, who, being President of
is the corporate seal and sealed in behalf of and said_ the free act and deed	and the of said corporation, of said corporation. of said corporation. WHEREOF, I have hereu	hat the seal affixed to said instrument and that said instrument was signed y authority of its board of directors,acknowledged said instrument to be at the set my hand and affixed my official
My Commission expires	:	
	_	Notary Public in and forCounty, State of
STATE OF FOR PAGE)) SS.:)	
his wife, to me known	and_ to be the persons de	Romaine S. Howell scribed in and who executed the fore- hey executed the same as their free act
My Commission expires June 1, 1955		Notary Public in and for
STATE OF)) SS.:)	
appearedthe person described :	in and who executed t	, a single person, to me known to be he foregoing instrument, and acknowledged asfree act and deed.
My Commission expires	:	
	-	Notary Public in and forCounty,

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 modifica-
tions thereof approved by the Secretary of the Interior or his duly authorized
representative as applicable to said several lands and interests, agree that
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prior agreements) oil and gas duly made at contract rates applied to the pro-
duction 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.
manda na Perana Arranga Musana a Mana manana ar a antar

ADDRESS TR. 10, 10A	14, 14A SIGNATURE
P. O. Box 153	Viction B. Hardis
El Paso, Texas	Francis M Horis
Date: February 23, 1954	
Date:	
TO CC :	

STATE OF)) SS.:	
COUNTY OF) 55.:	
On this	day of	, 195, before me appeared
		. to me personally known. who. being
	e~4	, to me personally known, who, beingPresident of that the seal affixed to said instrument
and sealed in behalf of and said the free act and deed	of said corporation of said corporation of said corporation	by authority of its board of directors, acknowledged said instrument to be
IN WITNESS We seal the day and year		eunto set my hand and affixed my official efirst above written.
My Commission expires:	l .	
		Notary Public in and forCounty, State of
		State of
STATE OF TEXAS)	
STATE OF TEXAS COUNTY OF EL PASO) SS.:	
GOUNTI OF EAST PASO	,	
On this $\frac{23r}{}$	day of February	, 1954 , before me appeared
William B.	Hardie and	Emilie M. Hardie
-	to be the persons d	lescribed in and who executed the fore- they executed the same as their free act
		Beryl Schumacher
My Commission expires:		Beryl Schumacher
June 1, 195	⊅ •	try 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
		, a single person, to me known to be the foregoing instrument, and acknowledged me asfree act and deed.
My Commission expires:	ı	
	•	
		Notary Public in and for County,
		State of

In consideration of the execution of Development and Operation of the Area located within the County of Rio	the Unit Agreemen	t for the
Development and Operation of the	Arriba	State of
New Mexico in form approved on behalf of the S	acretamy of the In	State of
undersigned owners of lands or leases, or inte		
presently held or which may arise under existi		
interests in production covered by said Unit A		
to the extent of his or her particular ownersh		
consent to the inclusion of said lands within		
ratify, approve and adopt the terms of said Un		
tions thereof approved by the Secretary of the		
representative as applicable to said several 1		
the term of any lease given by the undersigned		
claims an interest herein is extended and modi- make the same conform to the terms of said Uni-		
ing, development and producing requirements of		
in which their several rights and interests are		
deemed fully performed by performance of the p	rovisions of said	Unit Agreement,
and agree that payment for or delivery of (which		
prior agreements) oil and gas duly made at con		
duction allocated under said Unit Agreement to		
such rights or interests do or shall apply, re		
therefrom, shall constitute full performance of undersigned existing under such leases or other		ions to the
under signed existing under such reases of other	Concraces.	
This Ratification and Joinder of Univ	t Agreement may be	executed in
any number of counterparts with the same force		
had signed the same document and shall be bind:		
a counterpart hereof, regardless of whether or		
parties owning or claiming an interest in the		
so executed shall be binding upon the undersign successors in interest.	ned, his or her as	signs or
Successors in interest.		
ADDRESS TR. 10, 10A 14 14A	SIGNATURE	
ADDRESS TR. 10, 10A, 14, 14A	STOWLINE	\sim O
		1 7 00
attendation	/ pt x	1 Frank
P.O. Box 153	6:0.16	1 X - 10:
	- July 19	- Thursday
Date: March 3, 1954	ν	V
Date:	,	

) SS.:	
COUNTY OF	
On thisday of	, 195, before me appeared
	, to me personally known, who, being
by me duly sworn, did say that he is the	, to me personally known, who, being hePresident of
is the corporate seal of said corporationand sealed in behalf of said corporation	and that the seal affixed to said instrument ion, and that said instrument was signed on by authority of its board of directors, acknowledged said instrument to be ion.
IN WITNESS WHEREOF, I have he seal the day and year in this certification	ereunto set my hand and affixed my official ate first above written.
My Commission expires:	
	Notary Public in and for
	State ofCounty,
STATE OF TEXAS)	
COUNTY OF EL PASO)	
GOON IT OF E.L. PASO /	
On this 3rd day of Marc	h , 195 1, before me appeared
his wife, to me known to be the persons	ad EMILY D. GRAMBLING s described in and who executed the fore- me they executed the same as their free act
My Commission expires:	Beryl Schumache:
June 1, 1955	Ling minmacher
	Notary Public in and for
	El Paso County,
	El Paso County, State of Texas
STATE OF)	
) SS.:	
COUNTY OF)	
On thisday of	, 195, before me personally
appeared	a single person, to me known to be
the person described in and who execute to me thathe executed the s	, a single person, to me known to be ed the foregoing instrument, and acknowledged same asfree act and deed.
My Commission expires:	
	Notary Public in and forCounty,
	State ofCounty,

In consideration of the execution of the Unit Agreement for the
Development and Operation of the San Juan 29-7 Unit
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,
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tions thereof approved by the Secretary of the Interior or his duly authorized
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and agree that payment for or delivery of (whichever may be required under
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therefrom, shall constitute full performance of all such obligations to the
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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

ADDRESS TR. 10, 10A, 14,	, IYA SIGNATURE
P. O. Box 153	23/ Jenille
El Paso, Texas	Laura Il famille
Date: February 26, 1954	
Date:	

STATE OF))		
COUNTY OF)		
On this	day of	, 195	_, before me appeared
by me duly sworn, did	say that he is the	President of	f
is the corporate seal of and sealed in behalf of and said_ the free act and deed of	of said corporation said corporation	on, and that said : a by authority of :	its board of directors,
IN WITNESS We seal the day and year i			and affixed my official tten.
My Commission expires:			
		Notary Public	in and for
		· ·	County,
		State oi	
STATE OF TEXAS)		
STATE OF TEXAS COUNTY OF EL PASO	SS.:		
COUNTY OF EL PASO			
R. H. Feuill	to be the persons	Louann H. Feui described in and	
		2.27	7
My Commission expires:			Beryl Schumacher
June 1, 1955	;	terif	Schumacher
		_ El Paso	in and forCounty,
STATE OF	1		
ý	SS.:		
COUNTY OF	1		
On this	day of	, 195	, before me personally
appeared the person described into me that	n and who executed	l the foregoing in	erson, to me known to be strument, and acknowledged _free act and deed.
My Commission expires:			
		N. A D. 1.3.1	a in our Com
		notary Public	c in and forCounty,
		State of	

In consideration of the execution of the Unit Agreement for the
Development and Operation of the Son 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 modifica-
tions 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 drill-
ing, 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 pro-
duction 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.

	ADDRESS TR. 15A, 15 R	3,18, SIGNATURE
1010 H.	Dustin, Farmington, New Mexico	tom Bolace
		- Chece mark
Date:	March 3, 1954	
	TR. 15,	5A 15B
1010 N.	Dustin, Farmington, New Mexico	M.W. Solack
		
Date:	March 3, 1954	

\	
COUNTY OF) SS.:	
On this does no	30° hafana na anna ana 3
	, 195, before me appeared
by me duly sworn, did say that he is t	he, to me personally known, who, being
is the corporate seal of said corporational and sealed in behalf of said corporation	nd that the seal affixed to said instrument ion, and that said instrument was signed on by authority of its board of directors, acknowledged said instrument to be
the free act and deed of said corporate	acknowledged said instrument to be ion.
IN WITNESS WHEREOF, I have he seal the day and year in this certific	ereunto set my hand and affixed my official ate first above written.
My Commission expires:	
	Western Dublin to out for
	Notary Public in and forCounty, State of
	State of
STATE OF Now Mexico) SS.: GOUNTY OF San June)	
GOUNTY OF San June)	
On this 3rd day of March	
	195 👪 . hefore me enneared
Mary Dallack	, 195 before me appeared
Tom Bolack an his wife, to me known to be the person	434 10-3 10-
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to mand deed.	nd Alice Bolack s described in and who executed the fore-
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires:	nd Alice Bolack s described in and who executed the fore-
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to mand deed.	Alice Bolack s described in and who executed the fore- me they executed the same as their free act
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires:	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires:	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires:	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for San June County,
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to mand deed. My Commission expires: August 22,1956 STATE OF New Mexice	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for San June County,
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to mand deed. My Commission expires: August 22,1956 STATE OF New Mexice	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for San June County,
Tom Bolack his wife, to me known to be the person going instrument, and acknowledged to mand deed. My Commission expires: August 22,1956 STATE OF New Newice COUNTY OF San Juan SS.:	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for San June County,
his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires: August 22,1956 STATE OF New Nextse COUNTY OF San Juan On this 3rd day of M	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for San Jana County, State of New Nexton
his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires: August 22,1956 STATE OF New Mexico COUNTY OF San Juan On this	Alice Bolack s described in and who executed the fore- me they executed the same as their free act Notary Public in and for San June County, State of New Nextee
his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires: August 22,1956 STATE OF New Mexico COUNTY OF San Juan On this	Notary Public in and for Sea June State of New New Lee A single person, to me known to be sed the foregoing instrument, and acknowledged
his wife, to me known to be the person going instrument, and acknowledged to mand deed. My Commission expires: August 22,1956 STATE OF New Newice On this	Notary Public in and for Sea June State of New New Lee A single person, to me known to be sed the foregoing instrument, and acknowledged
his wife, to me known to be the person going instrument, and acknowledged to and deed. My Commission expires: August 22,1956 STATE OF New Mexice COUNTY OF San Juan On this	Notary Public in and for Sea June State of New New Lee A single person, to me known to be sed the foregoing instrument, and acknowledged

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 Int		
undersigned owners of lands or leases, or interests therein or royalties		
presently held or which may arise under existing option agreement	s, or other	
interests in production covered by said Unit Agreement hereby sev		
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 there	in defined,	
ratify, approve and adopt the terms of said Unit Agreement and ar	y modifica-	
tions thereof approved by the Secretary of the Interior or his du	dy 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 drill-	
ing, development and producing requirements of all leases and other contracts		
in which their several rights and interests are created or define	d shall be	
deemed fully performed by performance of the provisions of said U	nit Agreement,	
and agree that payment for or delivery of (whichever may be requi	red under	
prior agreements) oil and gas duly made at contract rates applied	to the pro-	
duction allocated under said Unit Agreement to the particular lan	ds to which	
such rights or interests do or shall apply, regardless of actual		
therefrom, shall constitute full performance of all such obligati	ons to the	
undersigned existing under such leases or other contracts.		

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T.v. 20

ADDRESS
SIGNATURE

Munop's lodge foed

Any Conquis

Date:

STATE OF	
COUNTY OF) SS.:	
On thisday of	, 195, before me appeared
	, to me personally known, who, being
by me duly sworn, did say that he is the	he President of nd that the seal affixed to said instrument
is the corporate seal of said corporat:	ion, and that said instrument was signed on by authority of its board of directors,acknowledged said instrument to be ion.
the free act and deed of said corporat:	ion.
	ereunto set my hand and affixed my official
My Commission expires:	
	Notary Public in and for
	State ofCounty,
n 12.	
STATE OF Law Medice) GOUNTY OF Laula If) SS.:	
COUNTY OF Laula 4) 55.:	
On this che day of Illuy	nd Sue E /Seiger
Joseph & Bergere a	nd Due E Beiger
his wife, to me known to be the person	s described in and who executed the fore- me they executed the same as their free act
and deed.	
My Commission expires:	
Nor 16-1952	20 Laribant
1601 - 100	- Lunai m
	Notary Public in and for County,
	State of New Mexico
STATE OF) SS.:	
COUNTY OF	
On thisday of	, 195, before me personally
the person described in and who execute to me thathe executed the	a single person, to me known to be ed the foregoing instrument, and acknowledge same asfree act and deed.
My Commission expires:	
,	Notary Public in and for
	County,
	State of

In consideration of the execution of the Un Development and Operation of the San Juan 29-7 U	it Agreement for the
Area located within the County of RIO ARRIBA	State of
New Mexico in form approved on behalf of the Secretary	y of the Interior, the
undersigned owners of lands or leases, or interests t	
presently held or which may arise under existing opti	
interests in production covered by said Unit Agreemen	
to the extent of his or her particular ownership or i	
consent to the inclusion of said lands within the Uni	
ratify, approve and adopt the terms of said Unit Agree	
tions thereof approved by the Secretary of the Interi	
representative as applicable to said several lands an	
the term of any lease given by the undersigned or under	
claims an interest herein is extended and modified to	
make the same conform to the terms of said Unit Agree	
ing, development and producing requirements of all le	ises and other contracts
in which their several rights and interests are create	
deemed fully performed by performance of the provision	
and agree that payment for or delivery of (whichever	
prior agreements) oil and gas duly made at contract re	
duction allocated under said Unit Agreement to the particular and the	
such rights or interests do or shall apply, regardless	
therefrom, shall constitute full performance of all st	
undersigned existing under such leases or other contra	acts.

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Address

Signature

Church Henry Condensor

April 22, 1924

Date:

Date:

COUNTY OF) SS.:	
7	
On thisday of	, 195, before me appeared
	is the President of
by me duly sworn, did say that he	is the President of and that the seal affixed to said instrument
and sealed in behalf of said corp and said	poration, and that said instrument was signed oration by authority of its board of directors, acknowledged said instrument to be
the free act and deed of said cor	poration.
IN WITNESS WHEREOF, I h seal the day and year in this cer	ave hereunto set my hand and affixed my official tificate first above written.
My Commission expires:	
	Notary Public in and for
	State of
STATE OF BALLERY)	
STATE OF COUNTY OF THE LAGS) SS.:	
COUNTY OF A TRACE SOME)	
On this kind day of	. 195 * before me appeared
Americ Heary Anderson, America	, 195 before me appeared
his wife, to me known to be the p	ersons described in and who executed the fore- d to me they executed the same as their free act
`	
My Commission expires:	
My Commission expires:	
My Commission expires:	Fernice D. Asley
• •	Notary Public in and for
• •	Notary Public in and for
• .	Notary Public in and for
Age 11 72, 1956	Notary Public in and for
STATE OF	Notary Public in and for
Age 11 72, 1956	Notary Public in and for
STATE OF COUNTY OF SS.:	State of
STATE OF COUNTY OF On thisday of	, 195, before me personally
STATE OF COUNTY OF On thisday of appeared	, 195, before me personally, a single person, to me known to be
STATE OF COUNTY OF On thisday of appeared the person described in and who expects the person described the person described in an and who expects the person described the person described in a person described the person	, 195, before me personally
STATE OF COUNTY OF On thisday of appeared the person described in and who exto me thathe executed	
STATE OF COUNTY OF On thisday of appearedthe person described in and who expects the person described in an and who expects the person described in a	
STATE OF COUNTY OF On this day of appeared the person described in and who exto me that he executed	
STATE OF COUNTY OF On thisday of appearedthe person described in and who exto me thathe executed	

State of

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 20.7 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 modifica-
tions 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 drill-
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in which their several rights and interests are created or defined shall be
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ADDRESS

P. O. Box 552, Davenport, Iowa

Date: March 23, 1954

Date:__

To 23,24

STATE OF) \ cc .	
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	he President of
in the components real		nd that the seal affixed to said instrument
and sealed in behalf	of said corporation	ion, and that said instrument was signed on by authority of its board of directors,
and said		acknowledged said instrument to be
the free act and deed	of said corporati	ion.
		ereunto set my hand and affixed my official ate first above written.
My Commission expires	3 \$	
	-	
		Notary Public in and for
		State of
		State of
STATE OF	}	
GOUNTY OF) SS.:	
4001/11 01	,	
(hn. +1+4	Jon 06	705 hadawa wa gunaamad
On this	day of	, 195, before me appeared
The state of the s	87	
		s described in and who executed the fore- me they executed the same as their free act
My Commission expires	3:	1
		xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
		\\/ \
		Notary Public in and forCounty,
		State of
STATE OF TOWA)	
STATE OF IOWA COUNTY OF SCOTT) SS.:	
COUNTY OF SCOTT)	
On this 23	rd day of Marc	ch , 195 4 , before me personally
appeared Grace Ho	xsey	a single person, to me known to be
the person described	in and who execute	ed the foregoing instrument, and acknowledged same as her free act and deed.
My Commission expires		 i
-		Wardy The Buch
July 4,1954		
		Notary Public in and for Scott
		State of Iowa

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 RELO 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 modifica-
tions 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
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to the second	25
<u>ADDRESS</u>	SIGNATURE
Dennett Jawa.	Any E. Bullaly h
Bennit, el	Frace L. T. utti se
Date: 3/16-54	
Date:	

STATE OF)	
COUNTY OF) SS.:)	
On this	day of	, 195, before me appeared
by me duly sworn, did	say that he is the_	, to me personally known, who, being
is the corporate seal and sealed in behalf	of said corporation, of said corporation b	that the seal affixed to said instrument and that said instrument was signed by authority of its board of directors, acknowledged said instrument to be
IN WITNESS teal the day and year	WHEREOF, I have hereu in this certificate	nto set my hand and affixed my official first above written.
My Commission expires	:	
	-	
		Notary Public in and for County,
		State of
9		
STATE OF June COUNTY OF Ceda)) SS.:	
COUNTY OF Cedar		
On this /	6 day of Tuan	kyace L. Buttolfsk
Sout & But	tolkh and	Krace L. Buttolphe
his wife, to me known	to be the persons de	scribed in and who executed the fore- hey executed the same as their free act
My Commission expires	•	
July 4, 185-4	_	Notary Public in and for leday
V		Notary Public in and for Lda
		State ofCounty,
2		
STATE OF Code)	
COUNTY OF) 55.:	
		cle, 195/, before me personally
the person described to me that	the the same	, a single person, to me known to be he foregoing instrument, and acknowledged asfree act and deed.
My Commission expires	:	
	-	
		Notary Public in and for
		State ofCounty,

In consideration of the execution of the Unit Agreement for the
Development and Operation of the San Juan 29-7 Unit
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,
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tions thereof approved by the Secretary of the Interior or his duly authorized
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•	Tr. 26
ADDRESS	SIGNATURE
Bunett Sowa	W.C. Wright
Dennett Lower	Alma M. Wright
Date: 3/19/54	
Datas	
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 and	, to me personally known, who, being
and sealed in behalf of	of said corporation	n, and that said instrument was signed by authority of its board of directors, acknowledged said instrument to be n.
the free act and deed	of said corporation	n.
IN WITNESS We seal the day and year	HEREOF, I have here in this certificate	eunto set my hand and affixed my official e first above written.
My Commission expires:	:	
	,	Notary Public in and for
		State of County,
STATE OF - See a)	
STATE OF See a) 55.:	
On this /g	day of March	llua W. Wregfit
his wife, to me known	to be the persons	described in and who executed the fore- they executed the same as their free act
My Commission expires:		
		Toland A Controland
Coly 11 1950		Notary Public in and for Clay
V		State of County,
		State of
STATE OF	}	
COUNTY OF) SS.:)	
On this	day of	, 195, before me personally
appearedthe person described i	n and who executed	the foregoing instrument, and acknowledged free act and deed.
My Commission expires:		TYON OUR MADE
		Notary Public in and for
		State of

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
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to the extent of his or her particular ownership or interest, as may appear,
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) 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 t	the President of und that the seal affixed to said instrument
is the corporate seal of said corporati	tion, and that said instrument was signed to by authority of its board of directors, acknowledged said instrument to be tion.
IN WITNESS WHEREOF, I have he seal the day and year in this certific	percunto set my hand and affixed my official cate first above written.
My Commission expires:	
	Notary Public in and for
	State ofCounty,
STATE OF _ aca } SS.:	
,	
	,
On this 19 day of Thank	and Bessie C. Washing as described in and who executed the fore-
Cuer B win ast	and Bednie C. Wralik
his wife, to me known to be the person going instrument, and acknowledged to and deed.	me they executed the same as their free act
My Commission expires:	
July 4 1054	Tolent A. Kon Taxland
V	Notary Public in and for County, State of County
	State of Cura
STATE OF) SS.:	
COUNTY OF)	
On thisday of	, 195, before me personally
appeared	a single person, to me known to be ted the foregoing instrument, and acknowledge same asfree act and deed.
My Commission expires:	
	Notary Public in and for County,
	State of

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
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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 pro-
duction 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.

7.2.28

STATE OF)	
COUNTY OF) SS.:	
,	
	, 195, before me appeared
is the corporate seal of said corporation, and sealed in behalf of said corporation by and said the free act and deed of said corporation. IN WITNESS WHEREOF, I have hereuseal the day and year in this certificate	and that said instrument was signed y authority of its board of directors, acknowledged said instrument to be ato set my hand and affixed my official
My Commission expires:	
	Notary Public in and forCounty, State of
STATE OF) SS.:	
On this day of and	, 195, before me appeared
his wife, to me known to be the persons degoing instrument, and acknowledged to me thand deed.	scribed in and who executed the fore- ney executed the same as their free act
My Commission expires:	
Settle deliby and the residency of the set of the section of the s	Notary Public in and forCounty, State of
STATE OF Juna) COUNTY OF Cells) SS.:	
appeared Name Aug of Christonia appeared to me that he executed the same	, 195 , before me personally , a single person, to me known to be ne foregoing instrument, and acknowledged as free act and deed.
My Commission expires:	Notary Public in and for Usla County, State of June

In consideration of the execution of the Unit Agreement	for the
Development and Operation of the San Juan 29-7 Unit	
	State of
New Mexico in form approved on behalf of the Secretary of the Inte	
undersigned owners of lands or leases, or interests therein or roy	alties
presently held or which may arise under existing option agreements	, or other
interests in production covered by said Unit Agreement hereby seve	rally, each
to the extent of his or her particular ownership or interest, as m	
consent to the inclusion of said lands within the Unit Area therei	n defined,
ratify, approve and adopt the terms of said Unit Agreement and any	modifica-
tions thereof approved by the Secretary of the Interior or his dul	y 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	
claims an interest herein is extended and modified to the extent n	
make the same conform to the terms of said Unit Agreement, agree t	
ing, development and producing requirements of all leases and othe	r contracts
in which their several rights and interests are created or defined	shall be
deemed fully performed by performance of the provisions of said Un	
and agree that payment for or delivery of (whichever may be requir	
prior agreements) oil and gas duly made at contract rates applied	
duction allocated under said Unit Agreement to the particular land	
such rights or interests do or shall apply, regardless of actual p	
therefrom, shall constitute full performance of all such obligation	
undersigned existing under such leases or other contracts.	

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	29
ADDRESS	SIGNATURE
no 1 central Bld-	(A) Wy Wares
Coffequille Mon-	J.
to flyently flor	
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		the President of
and sealed in hehalf	of said corporati	and that the seal affixed to said instrument tion, and that said instrument was signed lon by authority of its board of directors, acknowledged said instrument to be tion.
the free act and deed	l of said corporat	tion.
IN WITNESS seal the day and year	WHEREOF, I have he in this certific	percunto set my hand and affixed my official cate first above written.
My Commission expires	5\$	
		Notary Public in and for
		Gounty,
		State of
12		
STATE OF remigeren)	
- Nambra) SS.:	
COUNTY OF TOTAL)	
,		
A +14 - /	100 / / / · · ·	vi, 195 , before me appeared
Un this /	day or	before me appeared
K.W. U	Nure	a ringle perm
his wife, to me known	to be the person	as described in and who executed the fore-
and deed.	r scriontedien o	me they executed the same as their free act
My Commission expires	2 	
		4. 1
3-21-54	-	Tien I. Beneful
		Notary Public in and for
		Montgornery County, State of Kinney
		State of Simulation
STATE OF)) SS.:	
COUNTY OF)	
On this	day of	, 195, before me personally
the person described to me that	in and who execut he executed the	a single person, to me known to be ted the foregoing instrument, and acknowledge same asfree act and deed.
My Commission expires		
•		
	_	Notary Public in and for
		County.
		State of

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 RIV 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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Ta. 30

<u>ADDRESS</u>	<u>SIGNATURE</u>
	Reus Robertu
	Ma Schaefer
Date:	

STATE OF)	
COUNTY OF) SS.:	
GOUNTI OF	,	
Ona	thisday of_	, 195, before me appeared
		to me nersonally known, who, being
by me duly s	worn, did say that he	, to me personally known, who, being is thePresident of
and sealed to	n behalf of said cornor	and that the seal affixed to said instrument oration, and that said instrument was signed ration by authority of its board of directors,acknowledged said instrument to be oration.
		ve hereunto set my hand and affixed my official ificate first above written.
My Commission	n expires:	
		Notary Public in and for
		County,
		State of
STATE OF I	MA)	
AOTHER OR	SS.:	
COUNTY OF	· · ·)	
O _{ra} .	this 16th day of	April , 195 4 , before me appeared
		and E. A. Schaefer
	me known to be the ne	rsons described in and who executed the fore-
		to me they executed the same as their free act
My Commission	a expires:	
July 4	-	Walter a. Newport Ir.
		Notary Public in and for
·		County,
		State of Janua
STATE OF	,	
) ss.:	
COUNTY OF)	
On	thisday of	, 195, before me personally
appeared	escribed in and who ex	a single person, to me known to be ecuted the foregoing instrument, and acknowledge the same asfree act and deed.
My Commission		
		
		Notary Public in and for
		County,
		State of

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 or 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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COUNTY OF			,										
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by me dul	y sw	orn, d	id say	that h	e is	the_ and the	Pre	sident	of_	-3 +-	-014	d = = + ==	
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and capla	ብ ዛክ	hahel	<i>የ</i> ለድ «	and hear	moret	ton his	author	nitu a	P ++=	hapri	A OF	dinant.	~~ =
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COUNTY OF			{	oo,;									
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his wife,	to	me kno	wn to	be the	perso	and ns desc	ribed	in an	d Who	exect	ıted	the fo	
	to trum	me kno	wn to	be the	perso	and ns desc	ribed	in an	d Who	exect	ıted	the fo	
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going ins	to trum	me kno ent, a	wn to nd ack	be the	perso	and ns desc	ribed	in an	d Who	exect	ıted	the fo	
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going ins	to trum	me kno ent, a	wn to nd ack	be the	perso	and ns desc me the	ribed y exec	in ancuted	d who	execu ame as	ited s the	the for	
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going ins and deed. My Commis STATE OF COUNTY OF	to trum	me knoment, a expir	wn to nd ack	be the	personed to	and ns desc me the	ribed y exec	in an cuted Publ of 195 /	d who the s	exectame as	or on the	the foir free	all
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going ins and deed. My Commis COUNTY OF appeared the perso to me that My Commis	to trum sion	me knowent, a expir	wn to nd ack	be the mowledge ss.:	personed to	and ns de sc me the	ribed y exec	in an cuted Publ of single	ic in persinstr	exectame as	for	the for ir free fo	all

In consideration of the execution of the Unit Agreement Development and Operation of the San Juan 29-7 Unit	for the
Area located within the County of RIO ARRIBA	State of
New Mexico in form approved on behalf of the Secretary of the Int	
undersigned owners of lands or leases, or interests therein or ro	
presently held or which may arise under existing option agreement	
interests in production covered by said Unit Agreement hereby sev	
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 there	ein defined.
ratify, approve and adopt the terms of said Unit Agreement and ar	ny modifica-
tions thereof approved by the Secretary of the Interior or his du	
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 drill-
ing, development and producing requirements of all leases and oth	er contracts
in which their several rights and interests are created or define	ed shall be
deemed fully performed by performance of the provisions of said t	Init Agreement.
and agree that payment for or delivery of (whichever may be requi	red under
prior agreements) oil and gas duly made at contract rates applied	to the pro-
duction allocated under said Unit Agreement to the particular lar	ids to which
such rights or interests do or shall apply, regardless of actual	production
therefrom, shall constitute full performance of all such obligati	ons to the
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Tr. 354, 56, 374, 375.40

ADDRESS	SIGNATURE
728 4D Au	adolph Some
Durango, Colo	J'Christing lain
Date: April 14, 1954	
Date:	

COUNTY OF	1 66 *	
) SS.:)	
On this	day of	, 195, before me appeared
by me duly sworn. di	d say that he is the	, to me personally known, who, being ePresident of
is the corporate sea and sealed in behalf	l of said corporation of said corporation	d that the seal affixed to said instrument on, and that said instrument was signed n by authority of its board of directors,acknowledged said instrument to be on.
		reunto set my hand and affixed my official te first above written.
My Commission expire	s:	
		Notary Public in and for
		State ofCounty,
STATE OF Colorado COUNTY OF La Plata)) SS.:)	
On this 14		
Adolph Some known going instrument, and	ens an n to be the persons	d J. Christine Soens described in and who executed the fore- e they executed the same as their free act
Adolph Somission expire	ens and note to be the persons discknowledged to make second	d
Adolph Somission expire	ens and note to be the persons discknowledged to make second	d J. Christine Soens described in and who executed the fore- e they executed the same as their free act
Adolph Somission expire	ens and note to be the persons discknowledged to make second	d J. Christine Soens described in and who executed the fore- e they executed the same as their free act Notary Public in and for La Plata County,
Adolph Son his wife, to me know going instrument, and and deed. My Commission expire May 5. Commission expires May 5. STATE OF COUNTY OF	ens and and acknowledged to make the persons of acknowledged to acknow	d J. Christine Soens described in and who executed the fore- e they executed the same as their free act Notary Public in and for La Plata County,
Adolph Son his wife, to me know going instrument, and and deed. My Commission expire To Commission expires May 5 Commission expires May 5 County of On this appeared the person described	ens and to be the persons decknowledged to make a second acknowledged acknowledged to make a second acknowledged a	d
Adolph Son his wife, to me know going instrument, and and deed. My Commission expires The Commission expires STATE OF COUNTY OF On this appeared the person described	ens and to be the persons decknowledged to make a constant of the constant of	Notary Public in and for La Plata County, State of Colorado Colorado A single person, to me known to be defined the same as the content of the colorado of the foregoing instrument, and acknowledged

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 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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Ta. 36

ADDRESS	SIGNATURE
c/o El Paso Natural Gas Comp	any Thomas M. Mandry
P. O. Box 1492	
El Paso, Texas	• .
Date: May 25, 1954	
Date:	•

STATE OF) SS.:	
COUNTY OF)	
On this	day of	, 195, before me appeared
N		, to me personally known, who, beingPresident of
by me duly sworn, did	say that he is the	President of that the seal affixed to said instrument
and sealed in behalf	of said corporation	n, and that said instrument was signed by authority of its board of directors, acknowledged said instrument to be
the free act and deed	or said corporation	n.,
		eunto set my hand and affixed my official e first above written.
My Commission expires	:	
	-	Notary Public in and for
		County,
		State of
CMA mr. O.13	1	
STATE OF)) SS.:	
COUNTY OF)	
	to be the persons	described in and who executed the forethey executed the same as their free act
My Commission expires	•	
To the state of th	•	
	-	
		Notary Public in and for
		State ofCounty,
STATE OF TEXAS)) SS.:	
COUNTY OF EL PASO)	
On this 25	th day of May	, 1954, before me personally
the person described :	in and who executed	the foregoing instrument, and acknowledged me asfree act and deed.
My Commission expires	:	
June 1, 1955	· -	Sugh V. Henning
		Notary Public in and for El Paso County,
		State of Texas

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 Int	erior, the
undersigned owners of lands or leases, or interests therein or ro	
presently held or which may arise under existing option agreement	
interests in production covered by said Unit Agreement hereby sev	
to the extent of his or her particular ownership or interest, as	
consent to the inclusion of said lands within the Unit Area there	
ratify, approve and adopt the terms of said Unit Agreement and any	
tions thereof approved by the Secretary of the Interior or his du	
representative as applicable to said several lands and interests,	_
the term of any lease given by the undersigned or under which the	
claims an interest herein is extended and modified to the extent	
make the same conform to the terms of said Unit Agreement, agree	
ing, development and producing requirements of all leases and other	
in which their several rights and interests are created or define	
deemed fully performed by performance of the provisions of said U	
and agree that payment for or delivery of (whichever may be requi	
prior agreements) oil and gas duly made at contract rates applied	
duction allocated under said Unit Agreement to the particular land	
such rights or interests do or shall apply, regardless of actual	
therefrom, shall constitute full performance of all such obligation	ons to the
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To. 36

ADDRESS

1709 Norchester Bace Charles Lembers

Delahoma City, Okla Educa Jenkens

Date: July 19, 54.

CMARTE OF Blakery	
STATE OF Iblahoma) SS.:	
On this day of tuly	, 195 / , before me appeared
by me duly sworn, did say that he is the	, to me personally known, who, being
is the corporate seal of said corporation, and sealed in behalf of said corporation b	and that said instrument was signed y authority of its board of directors, acknowledged said instrument to be
IN WITNESS WHEREOF, I have hereu seal the day and year in this certificate	nto set my hand and affixed my official
·	IIIst adove written.
My Commission expires:	
	Notary Public in and for County,
	State of
STATE OF Chlahoma) SS.:	
COUNTY OF Chichema) SS.:	
On this 11 day of uly	, 195 4 , before me appeared
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his wife, to me known to be the persons de going instrument, and acknowledged to me t and deed.	scribed in and who executed the fore-
My Commission expires:	
0 / 10	E Valley
pas designation and the second and t	· · · · · · · · · · · · · · · · · · ·
	Notary Public in and for County, State of County,
	State of the state
	State of Land
STATE OF	State of
STATE OF) SS.:	State of
COUNTY OF SS.:	
COUNTY OF SS.: On thisday of	, 195, before me personally
COUNTY OF SS.:	, 195, before me personally a single person, to me known to be he foregoing instrument, and acknowledged
On thisday of appeared the person described in and who executed t	, 195, before me personally a single person, to me known to be he foregoing instrument, and acknowledged
COUNTY OF On thisday of appeared the person described in and who executed to me thathe executed the same	, 195, before me personally a single person, to me known to be he foregoing instrument, and acknowledged
COUNTY OF On thisday of appeared the person described in and who executed to me thathe executed the same	, 195, before me personally a single person, to me known to be he foregoing instrument, and acknowledged

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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 modifica-
tions 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
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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.

<u>ADDRESS</u>	SIGNATURE
Sauta & n m Date: 4-10-52	Mag. may L'neal
Date:	

STATE OF NEW MEXICO) SS.:	
COUNTY OF SANTA FE)	
On this game day of	, 195 , before me appeared
by me duly sworn, did say that he is the and	, to me personally known, who, beingPresident of
is the corporate seal of said corporation	that the seal affixed to said instrument and that said instrument was signed
and sealed in behalf of said corporation l	by authority of its board of directors,
and said the free act and deed of said corporation	• seriowiediad para Insuraneno o pe
IN WITNESS WHEREOF, I have here seal the day and year in this certificate	unto set my hand and affixed my official first above written.
My Commission expires:	
•	
Application of the Control of the Co	
	Notary Public in and forCounty,
	State ofCounty,
STATE OF NEW MEXICO) SS.:	
COUNTY OFSANTA PE)	
GOOMII ORSASTA PE	
On this 10th day of April	, 195, before me appeared
C. Neal and and	Mama I Real
his wife, to me known to be the persons de going instrument, and acknowledged to me and deed.	escribed in and who executed the fore-
My Commission expires:	
1=31=56	Man + Chancile
	Marget Chernathy Notary Public in and for
	Notary Public in and for Gounty
	State of New Mexico
STATE OF)	
COUNTY OF) SS.:	
,	
On thisday of	, 195, before me personally
appeared	, a single person, to me known to be the foregoing instrument, and acknowledge asfree act and deed.
My Commission expires:	
A Acumir parous avbriags	
	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

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 shutin 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

R. L. Hamblir

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

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

Area Landman

Lease Department

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 COMMISS N

P. O. BOX 871

SANTA FE, NEW MEXICO

February 9, 1955

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,

Son

W. B. Macey Secretary - Director

WBM:jh

cc: USGS- Roswell

Commissioner of Public Lands - Santa Fe

El Paso Natural Gas Company

El Paso, Texas 100 100

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 Pe, New Mexico

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

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.

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 retested 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:

Well	I.P.
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.

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

Manager

Lease Department

RLH/BG/mp cc: Attached List



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

P. O. Box 6721 Reswell, New Mexico

February 4, 1955

Fl Paso Natural Gas Company

El Paso Natural Gas Building

El Paso, Texas

Gentlement

The plan of development dated December 30, 1954, for the San Suan 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.

Yery truly yours,

JOHN A. ANNERSON
Regional Oil and Gas Supervisor

Copy to:

VN.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:

Well Name	Drilling Block	Initial Potential	<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

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:		Date:
	Supervisor, United States Geological Surve	у —
	Subject to like approval by the appropriat	e State officials.
APPROVED:	·	Date:
	Commissioner of Public Lands	
	Subject to like approval by the U.S.G.S. a	nd Oil Conservation Commission.
APPROVED:	/s/wom	Date: 2/9/55
	Oil Conservation Commission	7 7

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

El Paso Natural Gas Company Con

El Paso, Texas INTERD 11 M M: 10

December 8, 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

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:

Well	<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

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 Géological 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

Y. W. Bittick

Area Landman

Lease Department

THE BAY PETROLEUM CORPORATION

PRODUCERS AND HER NERS

GENERAL OFFICES

DENVER, COLORADON 1: 13

Povember 30, 1954

PRODUCTION DIVISIONS
DENVER, COLORADO
WICHTA, KANSAS
ONLAMOMA CITY, OKLA
ABILENE, TEXAS
MIDLAND, TEXAS
WICHTA FALLS TEXAS
ROSWELL, NEW MEXITO
CALGARY, ALBERTA CANNOA

SALES DIVISIONS:
DENVER, COLORADO
MCPHERSON, KANDAS
CHALMETTE, LA.

Lice

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

Cil 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, 1994, Southern Union Gus Company for-warded you a protest of determination against El Paso Watural Gus Company's initial participating area for the Mesoverde formation as contained in their letter of transmittal to you under late of October 19, 1954.

It was evident and obviour, 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

dru

November 30, 1954

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

Commisssioner 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

D++ .	,		
Dy:			
H. I	. Crain, 1	Vice Preside	nt:

HIC: NBV: mb

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 0il 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 Fetroleum 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 Fc, New Mexico

Southern Union Gas Company Burt Building Dallas 1, Texas Southern Union Gas Company

Southern Union Gas Company

Burt Building

Dallas 1, Texas

1 0:31

J. C. REID

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:

In the

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 ommission 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 & Sil

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, Okiahoma 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. 0. 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

Movember 17, 1954

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El Paso Matural Gas Company Tenth Floor Bassett Tower El Faso, Texas

Attentions Mr. R. L. Hamblin

Re: Sen Juan 29-7 Unit Agreement Rio Arriba County, Hew Mexico

Gentlemens

We wish to advise that the Initial Participating Area for the Mesaverde Formation, San Juan 29-7 Unit Agreement, as out lined in your letter dated October 19, 1954, is this date approved by this office effective September 3, 1954, subject to kike 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. VALKER Commissioner of Tublic Lands

ec: United States Geological Survey Roswell, New Mexico (3) Oil Conservation Commission Seata Fe, New Mexico (1)

LL CONSERVATION COMMISS JN

P. O. BOX 871

SANTA FE, NEW MEXICO

November 16, 1954

El Pase 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:jb

cc: U.S.G.S. - Roswell

Commissioner of Public Lands - Santa Fe

encl.

The Board

PUBCO DEVELOPMENT, INC.

MAIN OFFICE CCC

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November 8, 1954

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

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.

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 Cas Company Dearson #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 May 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. Vice President

FDGJr/h

cc: Director, United States Geological Survey

Commissioner of Public Lands of New Mexico

Oil Conservation Commission of New Mexico

Lon

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

October 19, 1954

At Carlotte

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, definitely 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 quantities:

	Drilling Tract
Well Name	In Participating Area
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

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
El Paso Matural Gas								
Bolack #1	W/2 18-29-7	12-19-51	9-6-52	3460 MCF 6 HR.	Blowdown	1071	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	1080	4-13-54
Daum 1-A	E/2 18-29-7	11-11-52	12-22-52	3460 MCF 6 HR.	Blowdown	1059	1050	4-9-53
Daum 2-A	E/2 4-29-7	7-1-53	7-23-53	3500 MCF 3 HR.	Blowdown	1028	1018	8-16-53
Daum 3-A	E/2 3-29-7	7-22-53	8-22-53	3020 MCF 3 HR B	HR Blowdown	1041	1035	10-15-53
Daum 4-A	E/2 1-29-7	8-25-53	9-27-53	3780 MCF 3 HR.	Blowdown	979	975	11-10-53
Daum 5-A	W/2 1-29-7	9-30-53	11-4-53	3780 MCF 3 HR.	Blowdown	987	972	11-15-53
Hardie 1-B	W/2 30-29-7	1-23-53	5-6-53	3120 MCF 3 HR.	HR. Blowdown	958	946	6-8-53
Hardie 1-C	E/2 19-29-7	8-21-53	9-14-53	4160 MCF 3 HR.	HR. Blowdown	1043	1037	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	1043	4-23-53
Hodges #1	B/2 5-29-7	7-25-53	8-14-53	4260 MCF 3 HR.	Blowdown	1091	1088	9-4-53
Marshall #1	W/2 19-29-7	12-12-53	1-26-53	2630 MCF 6 HR.	Blowdown	930	927	4-24-53
Marshall #2	E/2 31-29-7	8-10-53	8-28-53	3020 MCF 3 HR.	Blowdown	1051	1051	4-6-54
Marshall #3	W/2 31-29-7	8-29-53	9-19-53	3210 MCF 3 HR.	Blowdown	991	976	4-6-54
Marshall #4	W/2 33-29-7	9-16-53	10-20-53	2830 MCF 3 HR.	Blowdown	863	860	4-13-54
Marshall #5	E/2 30-29-7	10-23-53	11-10-53	5878 MCF 3 HR.	Blowdown	1054	1042	12-8-53
Marshall #6	W/2 29-29-7	11-13-53	12-3-53	3020 MCF 3 HR.	Blowdown	1061	1055	4-13-54

Name of Well	Drilling Block	Spud Date	Completed	Initial Potential		SIPC	SIPT	Date of Tie-in
Nye #1	W/2 3-29-7	12-14-52	2-16-53	3710 MCF 6 HR. B1	Blowdown	1008	1011	3-14-53
Pierce #1	W/2 10-29-7	11-2-52	12-16-52	1694 MCF 3 HR. Blowdown	owdown	976	1	2-18-53
Southern Union Gas								
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. B1	Blowdown	1088	8 0	8-17-53
Luse #1	W/2 15-29-7	11-10-52	12-24-52	2410 MCF 6 HR. Blowdown		1077	1	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
Skelly Oil Company 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	nwobwo	900	ŧ • •	
Bay Petroleum Corp. Manning #1	W/2 2-29-7	10-18-52	1-28-53	1250 MCF 6 HR. Blowdown	пмормо	954		11-23-53

SAN JUAN 29-7 UNIT CMPLETED WELLS AS OF Sept. 3, 1954

19 Wells 5 Wells 2 Wells 1 Well	El Paso Natural Gas Company Southern Union Gas Company Skelly Oil Company Bay Petroleum Corporation Total Completed Mesaverde Wells
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