

Working Interest Owner Under
Option Agreement, Operating
Agreement or Assignment and
Percentage of Interest

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Percentage of Interest
<u>Federal Lands (Continued)</u>							
<u>T. 28 N. R. 5 W.</u>							

3	Sec. 24: Lot 1, NW/4 NE/4, N/2 NW/4	171.89	S.F. 079519 9-1-49 5 yrs.	U.S.A. 12 3/4% All	Frank Patania	Squire Production Co. <i>Waymon Perry</i> <i>Wm G. Weas</i>	12.5000% 2.014% 1.307 1.31 <u>2.614%</u>	M.A. Romero Joe Quinn Omega Quinn Robert P. Tinnin N.B. Stern H.O. Pool Evelyn Ellen Wallace & James Algernon Brown, Trustees under the Last Will and Testament of Algernon W. Brown, de- ceased, and Evelyn G. Brown & James Algernon Brown	12.5000% 5.2500% 3.9375% 1.3125% 10.5000% 10.5000% Evelyn Ellen Wallace & James Algernon Brown, Trustees under the Last Will and Testament of Algernon W. Brown, de- ceased, and Evelyn G. Brown & James Algernon Brown
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4	Sec. 12: Lots 1,2,3,5, SW/4 SE/4, SE/4 SW/4	2395.61	S.F. 079519-A 9-1-49 5 yrs.	U.S.A. 12 3/4% All	W. H. Sparks	M.A. Romero Joe Quinn Omega Quinn Robert P. Tinnin N.B. Stern H.O. Pool Evelyn Ellen Wallace & James Algernon Brown, Trustees under the Last Will and Testament of Algernon W. Brown, de- ceased, and Evelyn G. Brown	.547% Gas Rights before payout: .230% El Paso Natural Gas Co. All .193% Oil Rights before payout: .037% General American Oil Co. All .459% Gas Rights after payout: .459% El Paso Natural Gas Co. General American Oil Co. O.R.I. Owners in % shown Oil Rights after payout: General American Oil Co. O.R.I. Owners in % shown	10.5000% 8.7500% 8.7500% 17.5000% 10.5000% 10.5000% Forrest B. Miller W.E. Alsop T.H. McElvain J.R. Abercrombie
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Federal Lands (Continued)							
T. 28 N. R. 5 W.							

4 (continued from page 2)

Forrest B. Miller .383%
W. E. Alsup .383%
T. H. McElvain .766%
J. R. Abercromble .459%
4.375%

5 Sec. 24: Lots 2,3,4, 1156.47 S.F. 079520 U.S.A. Frank Patania
SW/4 NE/4, S/2 NW/4, 10-1-48 12 1/2% All
W/2 SE/4, SW/4 5 yrs.
Sec. 27: All

Squire Produc-
tion Co.
Wayman Ferry
um & lease
1.176%
1.307
.131
2.614%
M.A. Romero 12.5000%
Joe Quinn 5.2500%
Omega Quinn 3.9375%
Robert P. Timlin 1.3125%
N.B. Stern 10.5000%
H.O. Pool 10.5000%
Evelyn Ellen Wallace
& James Algernon
Brown, Trustees under
the Last Will & Test-
ament of Algernon W.
Brown, deceased and
Evelyn G. Brown &
James Algernon Brown 10.5000%
Forrest B. Miller 8.7500%
W.E. Alsup 8.7500%
T.H. McElvain 17.5000%
J.R. Abercromble 10.5000%

6 Sec. 25: Lots 1,2,3,4, 1209.12 S.F. 079520-A U.S.A. W.H. Sparks
W/2 NE/4, NW/4, 10-1-48 12 1/2% All
W/2 SW/4, SW/4 SE/4 5 yrs.
Sec. 26: All

M.A. Romero .547%
Joe Quinn .230%
Omega Quinn .193%
Robert P. Timlin .037%
N. B. Stern .459%
H. O. Pool .459%

Gas Rights before payout:
El Paso Natural Gas Co. All
Oil Rights before payout:
General American Oil Co. All
Gas Rights after payout:
El Paso Natural Gas Co. 56.25%
General American Oil Co. 18.75%
O.R.I. Owners in %
shown 25.00%

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Federal Lands (Continued)							
T. 28 N. R. 5 W.							

6 (Continued from Page 3)

Evelyn Ellen Wallace & James Algernon Brown, Trustees under the Last Will and Testament of Algernon W. Brown, de- ceased, & Evelyn G. Brown & James Algernon Brown	.459%	
Forrest B. Miller	.383%	
W. E. Alsop	.383%	
T.H. McElvain	.766%	
J.R. Abercrombie	.459%	
	4.375%	

7 Sec. 32: A11 638.72 S.F. 079521 U.S.A. 12 1/2% A11 Frank Patania

Squire Produc- tion Co. Algernon Brown Wm G. Webb	1.17% 2.614% 1.307 1.31 2.614%	M.A. Romero Joe Quinn Omega Quinn Robert P. Tinnin N. B. Stern H.O. Pool Evelyn Ellen Wallace & James Algernon Brown, Trustees under the Last Will & Testament of Algernon W. Brown, de- ceased, and Evelyn G. Brown & James Algernon Brown
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	12.5000%
	5.2500%
	3.9375%
	1.3125%
	10.5000%
	10.5000%
	10.5000%
	10.5000%
	8.7500%
	8.7500%
	17.5000%
	10.5000%

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Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Percentage of Interest
<u>Federal Lands (Continued)</u>							
<u>T. 28 N. R. 5 W.</u>							

8	Sec. 28: SE/4 NE/4, SE/4 NW/4, W/2 NW/4, S/2	1919.28	S.F. 079521-A 10-1-48 5 yrs.	U.S.A. 12 3/4 All	W. H. Sparks	M.A. Romero Joe Quinn Omega Quinn Robert P. Timm N.B. Stern H. O. Pool Evelyn Ellen Wallace & James Algernon Brown, Trustees under the Last Will & Testament of Algernon W. Brown, de- ceased, & Evelyn G. Brown & James Algernon Brown Forrest B. Miller W. E. Alsup T. H. McElvain J.R. Abercromble	.547% .230% .193% .037% .459% .459% .459% Gas Rights before payout: El Paso Natural Gas Co. All Oil Rights before payout: General American Oil Co. All Gas Rights after payout: El Paso Natural Gas Company General American Oil Co. O.R.I. Owners in % shown Oil Rights after payout: General American Oil Co. O.R.I. Owners in % shown
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9	Sec. 21: SW/4 SW/4 Sec. 33: Lots 1,2,3,4, N/2 S/2, E/2 NE/4, W/2 NW/4 Sec. 34: N/2, N/2 SE/4, Lot 2 Sec. 35: Lots 1,2,3, NE/4 SE/4, N/2 NE/4 Sec. 36: Lots 1,2,3,4,5,6, 7,8, W/2 NE/4, NW/4, N/2 SW/4, NW/4 SE/4 (All)	2002.16	S.F. 079522 9-1-49 5 yrs.	U.S.A. 12 3/4 All	Pacific Northwest Pipeline Corp.	M.A. Romero Joe Quinn Omega Quinn Robert P. Timm N. B. Stern H. O. Pool Evelyn Ellen Wallace & James Algernon Brown, Trustees under the Last Will & Testament of Algernon W. Brown, de- ceased, & Evelyn G. Brown & James Algernon Brown	.313% .131% .098% .033% .263% .263% To Base of MV Formation Pacific Northwest Pipeline Corp. All Below MV Formation Stanolind Oil & Gas Co. All
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Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	
<u>Federal Lands (Continued)</u>							
<u>T. 28 N. R. 5 W.</u>							
9	(Continued from Page 5)						
10	Sec. 21: NE/4 NE/4	40.00	NM 012880	U.S.A. 12½% All	James B. Battle, Jr.	None James B. Battle Jr. 1.00%	El Paso Natural Gas Co. James B. Battle, Jr. All
11	Sec. 30: NW/4	160.00	S.F. 080505 9-1-51 5 yrs.	U.S.A. 12½% All	Thomas F. Harrington	Foster Morrell Charles C. Harlan, Jr. 5.00% 1.25%	Thomas F. Harrington All
12	Sec. 19: SW/4	160.00	S.F. 080505-B 9-1-51 5 yrs.	U.S.A. 12½% All	Pacific Northwest Pipeline Corp.	Sam Dazzo 1.25% Thomas F. Harrington 1.25% Guy R. Campbell .50% Wilson Petroleum Co. 1.00% 4.00%	To Base of MV Formation Pacific Northwest Pipeline Corp. All Below Base of MV Formation Phillips Petroleum Co. All
13	Sec. 13: SW/4, W/2 E/2, SE/4 NW/4 Sec. 15: SE/4, N/2 SW/4	600.00	S.F. 080516 9-1-51 5 yrs.	U.S.A. 12½% All	Alice Bolack	None	Albuquerque Associated Oil Co. All
14	Sec. 14: S/2 Sec. 16: S/2	640.00	S.F. 080516 9-1-51 5 yrs.	U.S.A. 12½% All	Alice Bolack	Tom Bolack and Alice Bolack 5.00%	To Base of MV Formation El Paso Natural Gas Co. 1/2 Tom & Alice Bolack 1/2 Below Base of MV Formation Tom and Alice Bolack All

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
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Federal Lands (Continued)

T. 28 N. R. 5 W.

15	Sec. 17: S/2	1320.00	S.F. 080516-A	U.S.A.	Pacific Northwest Pipeline Corp.	Alice Bolack	5.00%	To Base of MV Formation
	Sec. 18: SE/4, E/2 SW/4, NW/4 SW/4		9-1-51	12 3/4 All				Pacific Northwest Pipeline Corp. All
	Sec. 19: E/2, E/2 NW/4		5 yrs.					Below Base of MV Formation
	Sec. 20: W/2							Phillips Petroleum Co. All

16	Sec. 7: Lots 1,2,3,4, S/2 S/2	565.80	N.M. 010516	U.S.A.	Gordon Simpson	Glen H. and Ruth Callow	1.666667%	Gas Rights before payout:
	Sec. 8: Lots 1,2,3,4, S/2 S/2		5 yrs.	12 3/4 All		Arnold E. Carle	.833333%	El Paso Natural Gas Co. All
						H.K. Riddle	2.500000%	Oil Rights at all times:
							5.000000%	General American Oil Co.

Gas Rights after payout: All
 El Paso Natural Gas Co. 3/4
 General American Oil Co. 1/4

16 FEDERAL LAND TRACTS - 15,752.75 acres

Tract No.	Description	No. of Acres	Land Owner Percentage of Royalty	Lessee and Date of Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
PATENTED LANDS						
T. 28 N. R. 5 W.						
17	Sec. 9: Lots 3,4, SE/4 SW/4, SW/4 SE/4	141.17	Agapita Gomez y Gomez John S. Matthews	8.333% 4.167%	Forrest B. Miller 2-7-47 10 yrs.	None Forrest B. Miller All
18	Sec. 15: S/2 SW/4 Sec. 22: N/2 NW/4	160.00	Jose Praxedes Trujillo			Unleased
19	Sec. 18: SW/4 SW/4 Sec. 19: W/2 NW/4	120.00	Horace F. McKay, Jr.	12 3/4%	Pacific Northwest Pipeline Corp. 12-24-47 10 yrs.	None To Base of MV Formation Pacific Northwest Pipeline Corp. All Below Base of MV Formation Stanolind Oil & Gas Co. All
20	Sec. 21: E/2 SW/4, NW/4 SW/4, SW/4 SE/4	160.00	Horace F. McKay, Jr.	12 3/4%	Pacific Northwest Pipeline Corp. 1-28-48 10 yrs.	None To Base of MV Formation Pacific Northwest Pipeline Corp. All Below Base of MV Formation Stanolind Oil & Gas Co. All
21	Sec. 25: E/2 SW/4, NW/4 SE/4	120.00	Russell Ernest Arnold	12 3/4%	Pacific Northwest Pipeline Corp. 4-12-48 10 yrs.	None To Base of MV Formation Pacific Northwest Pipeline Corp. All Below Base of MV Formation Stanolind Oil & Gas Co. All
22	Sec. 28: NE/4 NW/4, N/2 NE/4, SW/4 NE/4	160.00	Horace F. McKay, Jr.	12 3/4%	Pacific Northwest Pipeline Corp. 1-28-48 10 yrs.	None To Base of MV Formation Pacific Northwest Pipeline Corp. All Below Base of MV Formation Stanolind Oil & Gas Co. All

T. 28 N. R. 5 W.

23	Sec. 33: W/2 NE/4, E/2 NW/4	329.70	Joe Mangum (deceased) G. H. Lobato	6.25%	Forrest B. Miller) 7-6-51) 5 yrs.) Forrest B. Miller) 6-30-51) 5 yrs.)	None	Forrest B. Miller	All
24	Sec. 34: Lot 1 Sec. 35: Lot 4, S/2 NE/4, NW/4 SE/4, N/2 SW/4	296.06	Russell Ernest Arnold	12 3/4%	Pacific Northwest Pipeline Corp. 4-12-48 10 yrs.	None	To Base of MV Formation Pacific Northwest Pipeline Corp. Below Base of MV Formation Stanolind Oil & Gas Co. All	All
25	Sec. 35: NW/4	160.00	Russell Ernest Arnold	12 3/4%	Pacific Northwest Pipeline Corp. 4-12-48 10 yrs.	None	To Base of MV Formation Pacific Northwest Pipeline Corp. Below Base of MV Formation Stanolind Oil & Gas Co. All	All

September 8, 1955

EXHIBIT "B"

San Juan 28-5 Unit Agreement

RECAPITULATION

	<u>Number of Tracts</u>	<u>Acreage</u>	<u>Percentage</u>
Federal Land	16	15,752.75	90.53
State Land	0	None	None
Patented Land	9	1,646.93	9.47
	<u>25</u>	<u>17,399.68</u>	<u>100.00%</u>

September 8, 1955

El Paso Natural Gas Company

El Paso, Texas

October 20, 1955

file

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

553

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

Re: (San Juan 28-5 Unit) Tract # 19

Gentlemen:

Attached hereto is one (1) copy of Ratification and Joinder to the San Juan 28-5 Unit Agreement executed by Horace F. McKay, Jr., et ux, committing their basic royalty interest in Tract 19. We ask that you process this in the usual manner to effectively commit this interest to the Unit.

Very truly yours,

T. W. Bittick

T. W. Bittick
Area Landman
Lease Department

TWB:BG:pb
Enclosures

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan 28-5 Unit Area, Rio Arriba County, New Mexico by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit 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

This commitment pertains only to Tr. 19 of Exhibit "B" to San Juan 28-5 Unit Agreement covering SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18 and W $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 19- T 28N R 5W.

Date: _____

Date: _____

Date: _____

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY

By _____

Vice President

Date: _____

UNIT OPERATOR

Approved and consented to:
Stanolind Oil and Gas Company

By _____

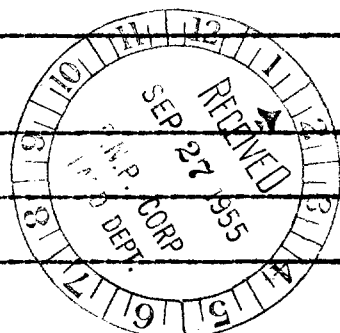
Working Interest Owner

Approved and consented to:
Pacific Northwest Pipeline Corporation

By _____

Vice President

Working Interest Owner



STATE OF New Mexico)
COUNTY OF Bernalillo)

SS.

On this 9th day of Sept, 1955, before me personally appeared

Thomas J. McKay & Elmyra J. McKay his wife.

to be the person or described in and who executed the foregoing instru-
ment, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal
the day and year in this certificate above written.

My commission expires:

8/1/58

James M. Mac

Notary Public

STATE OF _____)
COUNTY OF _____)

SS

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

to me known to be the person _____ described in and who executed the foregoing instru-
ment, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal
the day and year in this certificate above written.

My commission expires:

Notary Public

STATE OF _____)
COUNTY OF _____)

SS

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

to me known to be the person _____ described in and who executed the foregoing instru-
ment, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal
the day and year in this certificate above written.

My commission expires:

Notary Public

El Paso Natural Gas Company

El Paso, Texas

August 29, 1956

MAIN OFFICE 0000

103 AUG 31 PM 1:21

103
file

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

Re: San Juan 28-5 Unit
Tract 17


Gentlemen:

Please find enclosed one (1) copy each of Ratification and Joinder executed by the following persons:

1. Agapita Gomez y Gomez
2. Jose Eugenio Gomez
3. Genoveva Juanita Gomez
4. Maria Gregorita Gomez Jaquez and Jose G. Jaquez
5. Maria Ruben Gomez Jaquez and Onofre Jaquez, Jr.
6. Celso Cipriano Gomez

We respectfully ask that you process these Ratification and Joinders in the usual manner to effectively commit these basic royalty interests under Tract 17 of the San Juan 28-5 Unit.

Very truly yours,


James C. Vandiver
Area Landman
Lease Department

JCV:BG:pb
Enclosures

Tract 17

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

Aztec, New Mexico

Agapita Gomez y Gomez
Agapita Gomez y Gomez

601 White Ave

Date: 7-11-56

Date: 7-26-56

APPROVED AND CONSENTED TO:

Forrest B. Miller
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By A. F. Davis rht
Vice President

UNIT OPERATOR

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

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

STATE OF New Mexico)
COUNTY OF Santa Fe) SS.:

On this 26th day of July, 1956, before me appeared

Forrest B. Miller
~~his wife~~, to me known to be the person described in and who executed the fore-
going instrument, and acknowledged to me ~~they~~ executed the same as ~~their~~ free act
and deed.

My Commission expires:

April 14, 1959
Harold M. Harrell
Notary Public in and for _____
Santa Fe County,
State of New Mexico

STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) SS.:

On this 11 day of July, 1956, before me personally
widow

appeared Agapita Gomez y Gomez, a ~~singl~~~~person~~, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that she executed the same as her free act and deed.

My Commission expires:

2-24-60
Paul MacCall
Notary Public in and for San Juan
_____ County,
State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

601 White Avenue

Aztec, New Mexico

Date: 8-10-56

Date: _____

Jose Eugenio Gomez
Jose Eugenio Gomez

APPROVED AND CONSENTED TO:

James Briller
Working Interest Owner

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By [Signature] 8/10
Vice President
UNIT OPERATOR

STATE OF)
) SS.:
COUNTY OF)

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

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

STATE OF)
) SS.:
COUNTY OF)

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

_____ and _____
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

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

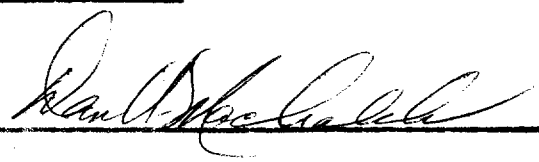
STATE OF NEW MEXICO)
) SS.:
COUNTY OF SAN JUAN)

On this 10th day of August, 1956, before me personally

appeared Jose Eugenio Gomez, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ he executed the same as his free act and deed.

My Commission expires:

February 24, 1960


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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

601 White Ave

Genoveva Juanita Gomez
Genoveva Juanita Gomez

Aztec N.M.

Date: 7-27-56

Date: _____

APPROVED AND CONSENTED TO:

Forrest B. Miller
Forrest B. Miller
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature] RSH
Vice President

UNIT OPERATOR

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

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

STATE OF)
COUNTY OF) SS.:

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

_____ and _____
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

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

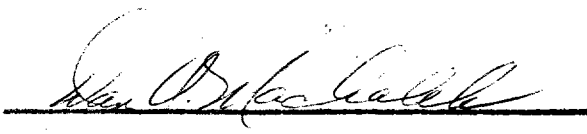
STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) SS.:

On this 27 day of July, 1956, before me personally

appeared Genovova Juanita Gomez, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ s he executed the same as her free act and deed.

My Commission expires:

February 24, 1960


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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

Box 163

Alto N. M.

Date: 7-27-56

SIGNATURE

Maria Gregorita Gomez Jaquez
Maria Gregorita Gomez Jaquez

Jose G. Jaquez
Jose G. Jaquez

Date: _____

APPROVED AND CONSENTED TO:

Forrest B. Miller
Forrest B. Miller
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature]
Vice President

UNIT OPERATOR

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____


STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) SS.:

On this 27 day of July, 1956, before me appeared

Maria Gregorita Gomez Jaquez _____ and _____ Jose G. Jaquez, her husband ~~his wife~~, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

February 24, 1960



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

STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

Box 362
kyte N. M.
Date: 7-27-56

SIGNATURE

Maria Ruben Gomez Jaquez
Maria Ruben Gomez Jaquez
Onofre Jaquez Jr.
Onofre Jaquez, Jr.

APPROVED AND CONSENTED TO:

Forrest B. Miller
Forrest B. Miller
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By W. L. Davis 11/8
Vice President

UNIT OPERATOR

STATE OF)
) SS.:
COUNTY OF)

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

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

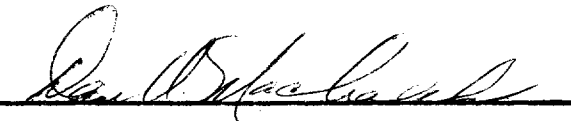
STATE OF NEW MEXICO)
) SS.:
COUNTY OF SAN JUAN)

On this 27 day of July, 1956, before me appeared

Maria Ruben Gomez Jaquez and Onofre Jaquez, Jr., her husband
~~his wife~~, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

February 24, 1960



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

STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

601 White Ave
Aztec, N. M.
Date: 8-10-56

Celso Cipriano Gomez
Celso Cipriano Gomez

Date: _____

APPROVED AND CONSENTED TO:

Forrest Dwyer
Working Interest Owner

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By R. F. Davis
Vice President

UNIT OPERATOR

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF)
COUNTY OF) SS.:

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

_____ and _____
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

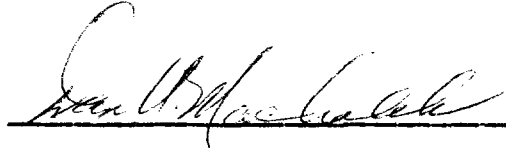
STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) SS.:

On this 10th day of August, 1956, before me personally

appeared Celso Cipriano Gomez, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ he executed the same as his free act and deed.

My Commission expires:

February 24, 1960



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

El Paso Natural Gas Company

El Paso, Texas

September 26, 1955

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

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

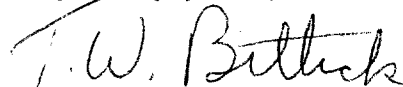
Re: (San Juan 28-5 Unit)
Tract # 10

Gentlemen:


Attached hereto is one (1) copy of Ratification and Joinder of Unit Operating Agreement of the San Juan 28-5 Unit Agreement, executed by James B. Battle, Jr., et ux, committing their interest 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:pb
Enclosure

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

SIGNATURE

311 North Harvey St.
Okla City, Okla.

James B. Battle, Jr.

Date: June 20, 1955

Date: _____

STATE OF Okla.

COUNTY OF Okla.

SS.:

On this 20th day of June, 1955, before me personally appeared James B. Battle, Jr. & Eleanor Battle to me known to be the person so described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

August 26, 1958

Norma Dennis Baldwin
Notary Public in and for Okla.

County, State of

Okla.

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By A. F. Shaw
Vice President
UNIT OPERATOR

El Paso Natural Gas Company

El Paso, Texas

September 7, 1955

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

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

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

Re: (San Juan 28-5 Unit No. 14-08-001-949
Rio Arriba County, New Mexico
Fifth Expanded Participating Area
Mesaverde Formation
Effective August 1, 1955

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below, two additional wells capable of producing unitized substances in paying quantities from the Mesaverde formation have been completed upon acreage committed to this unit. The participating area for the Mesaverde formation is expanded accordingly to include these wells as follows:

The San Juan 28-5 #8 Well, located 990' from the North line and 1650' from the East line of Section 21, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on May 27, 1955 and completed on June 19, 1955 at a total depth of 5880'. The Cliff House section of the Mesaverde formation between 5260' and 5420' was treated with a sand-oil fracturing process on June 15, 1955. The Point Lookout section of the Mesaverde formation between 5470' and 5880' was also treated with a sand-oil fracturing process on June 18, 1955. After being shut-in for twenty-three (23) days, the well was tested on July 12, 1955 and after a three hour blow-down, gauged an IP of 3937 MCFGPD with an SIPC of 1060# and an SIPT of 1088#. The committed Drilling Block upon which this well is located is described as the N/2 of Section 21, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

The San Juan 28-5 #9 Well, located 1500' from the South line and 1650' from the West line of Section 29, Township 28 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on June 21, 1955, and completed July 13, 1955 at a total depth of 5740'. The Cliff House section of the Mesaverde formation between 5030' and 5230' was treated with a sand-oil fracturing process on July 8, 1955. The Point Lookout section of the Mesaverde formation between 5448' and 5740' was also treated with a sand-oil fracturing process on July 12, 1955. After being shut-in for gauge for seven days, the well was tested on July 20, 1955, and after a three hour blow-down gauged an IP of 4385 MCFGPD with an SIPC of 1077# and an SIPT of 1074#. The committed Drilling Block upon which this well is located is described as the S/2 of Section 29, Township 28 North, Range 5 West, N.M.P.M., containing 320 acres.

With the admission of these wells to the Participating Area, there is one intervening drilling block created. It is as follows: N/2 of Section 20, Township 28 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, and consists of 320.00 acres. Under the terms of the Unit Agreement this intervening drilling block is admitted to the Participating Area on August 1, 1955, the time of admission of the San Juan 28-5 #8 and San Juan 28-5 #9 wells, and a well must be commenced on said intervening drilling block by August 1, 1956.

Attached is Schedule VI showing the Fifth Expanded Participating Area for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor, and in the absence of disapproval, this expanded participating area will become effective as of August 1, 1955.

Copies of this letter and schedule are being sent to the Working Interest Owners as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



R. L. Hamblin

Manager

Lease Department

RLH/BG/eb

cc: Attached List

El Paso Natural Gas Company

El Paso, Texas

August 16, 1955

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

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

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

Re: (San Juan 28-5) Unit No. 14-08-001-949
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Mesaverde Formation
Effective July 1, 1955

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on June 3, 1955, that one additional well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to this unit. The participating area for the Mesaverde formation is expanded accordingly to include this well as follows:

The San Juan 28-5 #7 Well, located 1650' from the South line and 1650' from the West line of Section 8, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 2, 1955 and completed on May 25, 1955 at a total depth of 5780'. The Cliff House section of the Mesaverde formation between 5172' and 5310' was treated with a sand-oil fracturing process on May 18, 1955. The Point Lookout section of the Mesaverde formation between 5487' and 5780' was also treated with a sand-oil fracturing process on May 24, 1955. After being shut-in for nine (9) days, the well was tested on June 3, 1955 and after a three hour blow-down, gauged an IP of 2237 MCFGPD with an SIPC of 978# and an SIPT of 1048#. The committed Drilling Block upon which this well is located is described as the S/2 of Section 8, Township 28 North, Range 5 West, N.M.P.M., containing 282.84 acres.

Attached is Schedule V showing the Fourth Expanded Participating Area for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor, and in the absence of disapproval, this expanded participating area will become effective as of July 1, 1955.

Copies of this letter and schedule are being sent to the Working Interest Owners as shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

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

RLH/BG/eb

cc: Attached List

100-100000

100-100000

July 11, 1955

file

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

Re: (San Juan 28-5 Unit)
Rio Arriba County
1955 Supplemental Plan
of Development

Gentlemen:

We are enclosing one copy of the above designated plan, which was approved by the Commissioner of Public Lands July 11, 1955. Subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

Encl.
cc: UG3-Roswell
OCC-Santa Fe
MRR:m

C

O

P

Y

am

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

July 6, 1955

file

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

Attention: Mr. R. L. Hamblin

Re: San Juan 28-5 Unit
Rio Arriba County, New Mexico
1955 Supplemental Plan of
Development

Gentlemen:

This is to advise that the Supplemental Plan of Development for the San Juan 28-5 Unit, dated June 25, 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.

Inasmuch as only one copy of the Plan was received by this office, no approved copy can be returned.

WBM
Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: USGS-Roswell

Commissioner of Public Lands, Santa Fe

C
O
P
Y



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

June 28, 1955

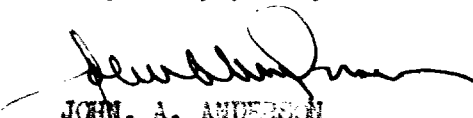
El Paso Natural Gas Company
Post Office Box 1192
El Paso, Texas

Gentlemen:

The supplemental plan of development dated June 25, 1955, for the San Juan 28-5 unit area, New Mexico, No. 14-08-001-949 has been approved on this date, subject to like approval by the appropriate State officials. The supplemental plan provides for the drilling of four additional wells making a total of seven Mesaverde wells to be drilled in the unit area during the calendar year.

One approved copy of said plan is returned herewith.

Very truly yours,


JOHN. A. ANDERSON
Regional Oil and Gas Supervisor

Enclosure

Copy to: Cons. Div., Wash (w/1 copy of plan)
Farmington (w/1 copy of plan)
NMOCC, Santa Fe (ltr only)✓

El Paso Natural Gas Company

El Paso, Texas

June 25, 1955

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

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

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

Re: San Juan 28-5 Unit Area
14-08-001-949
Rio Arriba County, New Mexico
SUPPLEMENTAL DRILLING PROGRAM-1955

Gentlemen:

On December 31, 1954, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned Unit for the calendar year 1955. This 1955 Drilling Program has been approved by the United States Geological Survey, the Commissioner of Public Lands for the State of New Mexico, and the Oil Conservation Commission for the State of New Mexico.

Pacific Northwest Pipeline Corporation has now advised us that they would like to drill four (4) additional Mesaverde wells to be located in the S/2 of Section 18, S/2 Section 19, S/2 Section 33, and the S/2 of Section 35, Township 28 North, Range 5 West.

Therefore, El Paso Natural Gas Company, as Unit Operator, herewith submits for your consideration and approval a Supplemental Drilling Program for the calendar year 1955, of four (4) Mesaverde wells. This Program is to supplement the original drilling program of three (3) Mesaverde wells filed for your approval on December 31, 1954. These additional Mesaverde wells are to be located as follows:

- (1) S/2 Section 18, Township 28 North, Range 5 West
- (2) S/2 Section 19, Township 28 North, Range 5 West
- (3) S/2 Section 33, Township 28 North, Range 5 West
- (4) S/2 Section 35, Township 28 North, Range 5 West

These wells will make a total of seven (7) Mesaverde wells to be drilled on this Unit for the calendar year 1955 and will be drilled in accordance with your operating regulations with due care being taken to protect all horizons.

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

Copies of this Drilling Program are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

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

RLH:BG:rb

cc: Attached list

APPROVED: _____

Supervisor, United States Geological
Survey

Date: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____

Commissioner of Public Lands

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

Date: _____

APPROVED: _____

WPB
Oil Conservation Commission

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

Date: 7/26/55

*Only this copy received
no approved copy to E.P.*

RECEIVED
FEB 17 1955
El Paso Natural Gas Company

El Paso, Texas

February 17, 1955

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

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

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

file

Re: San Juan 28-5 Unit Area
#14-08-001-949
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 28-5 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, February 2, 1955.
3. Oil Conservation Commission, State of New Mexico, February 10, 1955.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

T. W. Bittick

T. W. Bittick
Area Landman
Lease Department

file

TWB/BG/mp

cc: Attached List

Re: San Juan 28-5 Unit

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

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. C. F. Bedford
Stanolind Oil and Gas Company
Oil and Gas Building
Fort Worth, Texas

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

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

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

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

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

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

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

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mr. W. E. Alsup
1247 Shafter Street
San Mateo, California

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

Mrs. Evelyn Ellen Wallace,
Co-Trustee for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 9, 1955

*file
com 553*

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

Attention: Mr. R. L. Hamblin

**Re: San Juan 28-5 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 31, 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,

WBM

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

WBM:jh

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

C
O
P
Y

San Juan 28-5 Unit
#14-08-0010949
Rio Arriba County, N. M.
1955 Drilling Program

Gentlemen:

By letter dated Sept. 22, 1954, El Paso Natural Gas Company, as Unit Operator, filed a plan of development for the remainder of the year 1954. The only well scheduled to be drilled under this program was the San Juan 28-5 #6 well.

The San Juan 28-5 #6 well, located in the S/2, Sec. 16, T-28-N, R-5-W, has been completed, and is now shut-in for gauge.

Phillips Petroleum Company spudded their Mesa #2-30 well, located in the N/2, 30-28-5, Aug. 30, 1953, and this partially completed well was turned over to the Unit Operator. Phillips, however, does not wish to have this well completed.

Five wells have been drilled to the Mesaverde Formation upon lands committed to the Unit. Of these five wells three have been determined to be capable of producing unitized substances in paying quantities and have been admitted to the Mesaverde participating area. One of the five wells has been determined to be non-commercial and one well is shut-in for gauge. One well in the present participating area is producing into El Paso's gathering system.

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests a proval of a drilling program for the calendar year 1955, consisting of three 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 as follows:

- (1) S/2, Sec. 8, T-28-N, R-5-W
- (2) N/2, Sec. 21, T-28-N, R-5-W
- (3) S/2, Sec. 29, T-28-N, R-5-W

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 130' 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 wild 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 ~~in this~~ your approval of this drilling program as required under Section 16 of the Unit Agreement in the space provided below, and return ~~in this~~ an approved copy to El Paso Natural Gas Company.

very truly yours

EPNG

By: R.L. Hamblin

APPROVED

Date

2/2/55



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

February 4, 1955

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

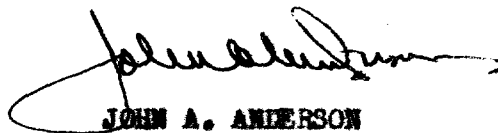
Gentlemen:

The plan of development dated December 31, 1954, for the San Juan 28-5 unit area, New Mexico, No. 14-08-001-949, has been approved on this date, subject to like approval by the appropriate State officials.

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

One approved copy of said plan is returned herewith.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: ✓ N.M.O.C.C., Santa Fe (1tr only)

El Paso Natural Gas Company

El Paso, Texas

January 18, 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 28-5 Unit No. 14-08-001-949
Rio Arriba County, New Mexico
Third Expanded Participating Area
Mesaverde Formation
Effective January 1, 1955

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on December 20, 1954, that one additional well capable of producing unitized substances in paying quantities from the Mesaverde formation had been completed upon acreage committed 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 28-5 #6 Well, located 1650' from the South line and 1650' from the West line of Section 16, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 24, 1954, and reached a total depth of 5835'. The pay section between 5247' and 5475' and the pay section between 5563' and 5835' was treated with a sand-oil frac. process. After being shut-in for gauge for 7 days, the well was tested on December 20, 1954, and after a three hour blow-down gauged an IP of 3221 MCFGPD with an SIPC of 1058# and an SIPT of 1047#. The committed drilling block upon which this well is located is described as the S/2 of Section 16, Township 28 North, Range 5 West, N.M.P.M. and consists of 320 acres.

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With the completion of this well an intervening drilling block exists between the San Juan 28-5 #6 Well and the San Juan 28-5 #2 Well. This drilling block is described as the S/2 of Section 15, T-28-N, R-5-W, N.M.P.M., except for the S/2 of the SW/4 which is not committed to the Unit. This intervening drilling block therefore contains 240 acres which are committed to the Unit Agreement. 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 28-5 #6 Well, and a well must be commenced on said intervening drilling block by January 1, 1956. Unit Operator will contact the owner of the S/2 SW/4 of Section 15 in a final attempt to get him to join the Unit Agreement. If this is unsuccessful we will attempt to communitize the S/2 of Section 15. If the owner of the S/2 SW/4 refuses to join in a Communitization Agreement with the unit working interest owners we will have to go before the Oil Conservation Commission of the State of New Mexico and ask for forced pooling of the entire S/2 of Section 15.

In comparison with this determination there are three (3) wells with lower Initial Potential already included within the Mesaverde Participating Area. These are the San Juan 28-5 #1 Well with an IP of 2310 MCFGPD, San Juan 28-5 #2 Well with an IP of 1235 MCFGPD and the San Juan 28-5 #4 Well with an IP of 2300 MCFGPD.

Attached is Schedule IV showing the Third Expanded Participating Area for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefor, and in the absence of disapproval, this expanded participating area will become effective as of January 1, 1955.

Copies of this letter and schedule are being sent to the Working Interest Owners as shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

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

RLH/BG/mas

cc: Attached List

553
El Paso Natural Gas Company

MAILED 1002
TENTH FLOOR BASSETT TOWER

RECEIVED
OCT 17 1954
El Paso, Texas

October 12, 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 28-5 Unit Area
14-08-001-949
Rio Arriba County, New Mexico
Notice of Approval of a Plan of
Development for Calendar Year 1954

Gentlemen:

This is to advise that the Plan of Development, San Juan 28-5 Unit Area, for the calendar year of 1954, was approved as follows:

- (1) Regional Supervisor, United States Geological Survey,
October 5, 1954.
- (2) Commissioner of Public Lands of the State of New Mexico,
September 30, 1954.
- (3) Oil Conservation Commission of the State of New Mexico,
October 8, 1954.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick
T. W. Bittick
Area Landman
Lease Department

67
7-100
October 11, 1954

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

Re: San Juan 28-5 Unit Agreement
Rio Arriba County, New Mexico
1954 Plan of Development
14-08-001-949

Gentlemen:

Please be advised that your plan of development dated September 22, 1954, for the above captioned unit agreement, for the remainder of the calendar year 1954, has been approved on this date, subject to like approval by the United States Geological Survey and Oil Conservation Commission.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

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

553
NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

October 8, 1954

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P
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El Paso Natural Gas Co.
Tenth Floor Bassett Tower
El Paso, Texas

Re: San Juan 28-5 Unit
Rio Arriba County, New Mexico
Plan of Development for 1954

Gentlemen:

Reference is made to your letter of September 22, 1954, requesting approval of the Plan of Development for 1954 for the above captioned unit.

The New Mexico Oil Conservation Commission hereby approves this Plan of Development subject to like approval by the U. S. Geological Survey and the Commissioner of Public Lands, State of New Mexico.

Very truly yours,

W. B. Macey
Secretary - Director

WBM:jh

cc: U. S. G. S.
Roswell, New Mexico

State Land Office
Santa Fe, New Mexico



553

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

file

MAIN OFFICE OCC

P. O. Box 6721
Roswell, New Mexico
RECEIVED OCT 11 1954

October 5, 1954

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

Gentlemen:

The plan of development dated September 22, 1954, for the San Juan 28-5 unit area, New Mexico, No. 14-08-001-949, for the remainder of the calendar year 1954, has been approved on this date, subject to like approval by the appropriate State officials.

One approved copy of said plan is returned herewith.

Very truly yours,

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons.Div., Wash., D.C. (w/1 copy of plan)
New Mexico OCC, Santa Fe (Ltr. only) ✓

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

September 22, 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 28-5 Unit
#14-08-001-949
Rio Arriba County, New Mexico
Plan of Development for 1954

Gentlemen:

All drilling requirements of the Unit Agreement and Unit Operating Agreement for San Juan 28-5 Unit have been satisfied and El Paso Natural Gas Company, as Unit Operator, now submits for your approval a Plan of Development for the remainder of 1954.

The San Juan 28-5 Unit Area embraces 17,399.68 acres, more or less, in Rio Arriba County, New Mexico, of which 17,199.68 acres are committed to the Unit. The Unit area includes all of Township 28 North, Range 5 West.

Altogether El Paso Natural Gas Company, as Unit Operator, has drilled four (4) wells on this Unit. One (1) well was determined to be noncommercial and three (3) wells are completed in the Mesaverde Formation and are now awaiting connection to a pipeline.

The following table reflects the status of Unit development to date.

<u>Well</u>	<u>Location</u>	<u>Spud</u>	<u>Completed</u>	<u>MCF 3HR. Test</u>	<u>Producing Formation</u>	<u>Remarks</u>
#1	N/2 29-28-5	7-25-53	9-21-53	2310	Mesaverde	Depth 5939'
#2	S/2 14-28-5	11-12-53	2-20-54	1235	Mesaverde	Depth 6167'
#3	S/2 26-28-5		Noncommercial			
#4	N/2 19-28-5	10-2-53	11-14-53	2300	Mesaverde	Depth 5951'

San Juan 28-5 Unit
Plan of Development for 1954

-2-

September 22, 1954

El Paso is planning to drill a well in the S/2 of Section 16, Township 28 North, Range 5 West, Rio Arriba County, New Mexico.

Development to date has reasonably demonstrated the productivity of the Unit Area in the Mesaverde Formation. No intervening drilling blocks have been created.

As Unit Operator, we have canvassed the owners of all working interest committed to the Unit and none desire wells drilled on their Unit lands during the remainder of the year.

Since (1) development to date has reasonably proved the productivity of the Unit Area and (2) there are no existing intervening drilling blocks which would necessitate the drilling of additional wells at this time under the provisions of the Unit Agreement and (3) none of the working interest owners within the Unit desire drilling at this time, El Paso Natural Gas Company, as Unit Operator, plans to drill during the remainder of 1954 only the well in the S/2 of Section 16, Township 28 North, Range 5 West, and such other wells, if any, as you may require for the protection of the Unit against drainage, or as you may otherwise require.

Your approval of this Plan of Development for the remainder of the year 1954 is respectfully requested.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



R. L. Hamblin

Manager

Lease Department

RLH/BG/mp

Acknowledgment and distribution attached

San Juan 28-5 Unit
Plan of Development for 1954

-3-

September 22, 1954

APPROVED _____ DATE _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate State Officials

APPROVED _____ DATE _____
Commissioner of Public Lands of the State of New Mexico
Subject to like approval by the United States Geological Survey and Oil
Conservation Commission

APPROVED W. B. Macey DATE 10-8-54
Oil Conservation Commission of the State of New Mexico
Subject to like approval by the United States Geological Survey and
Commissioner of Public Lands

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

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. C. F. Bedford
Stanolind Oil & Gas Company
Oil & Gas Building
Fort Worth, Texas

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

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

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

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

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

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

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

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mr. W. E. Alsup
1247 Shafter Street
San Mateo, California

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

Mrs. Evelyn Ellen Wallace,
Co-trustee for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

El Paso Natural Gas Company fill
MAIN OFFICE CCC

TENTH FLOOR BASSETT TOWER

El Paso, Texas

August 18, 1954

1954 SEP 22 AM 8:43

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

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

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

Gentlemen:

Enclosed herewith please find the following Ratification and Joinders of Unit Agreement and Unit Operating Agreement committing various interests to the above captioned Unit:

1. One (1) copy of Ratification and Joinder of Unit Agreement executed by M. A. Romero, et ux, and N. B. Stern committing their working interest under Tracts 3 through 8, inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 602.
2. One (1) copy of Ratification and Joinder of Unit Agreement executed by J. R. Abercrombie et ux and Joe Quinn et ux, committing their working interest under Tracts 3 through 8, inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 601.
3. One (1) copy of Ratification and Joinder of Unit Agreement executed by T. H. McElvain et ux, committing their working interest under Tracts 3 through 8, inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 597.

4. One (1) copy of Ratification and Joinder of Unit Agreement executed by R. P. Timmin et ux, committing their working interest under Tracts 3 through 8, inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 599.
5. One (1) copy of Ratification and Joinder of Unit Agreement executed by W. E. Alsop et ux, committing their working interest under Tracts 3 through 8, inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 596.
6. One (1) copy of Ratification and Joinder of Unit Agreement executed by Omega E. Quinn committing her working interest under Tracts 3 through 8, inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 600.
7. One (1) copy of Ratification and Joinder of Unit Agreement executed by H. O. Pool et ux, committing their working interest under Tracts 3 through 8 inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 598.
8. One (1) copy of Ratification and Joinder of Unit Agreement executed by James A. Brown et ux, Evelyn G. Brown and Evelyn Ellen Wallace, committing their working interests under Tracts 3 through 8, inclusive, and their overriding royalty interest under Tracts 4, 6, 8 and 9 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 462.
9. One (1) copy of Ratification and Joinder of Unit Agreement executed by Foster Morrell et ux, committing their overriding royalty interest under Tract 11 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 595.

10. One (1) copy of Ratification and Joinder of Unit Agreement executed by Russell Ernest Arnold et ux, committing their basic royalty interest under Tracts 12, 24 and 25 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 594.
11. One (1) copy of Ratification and Joinder of Unit Agreement executed by Charles C. Harlan, Jr. committing his overriding royalty interest under Tract 11 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 593.
12. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by T. H. McElvaia et ux, committing their working interest under Tracts 3 through 8, inclusive, to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
13. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by R. P. Timmin et ux, committing their working interest under Tracts 3 through 8, inclusive, to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
14. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by H. O. Pool et ux, committing their working interest under Tracts 3 through 8, inclusive, to the above captioned Unit.
15. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by James A. Brown et ux, Evelyn G. Brown and Evelyn Ellen Wallace committing their working interest under Tracts 3 through 8, inclusive, to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
16. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by M. A. Romero et ux and N. B. Stern committing their working interest under Tracts 3 through 8, inclusive, to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
17. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by Omega E. Quinn committing her working interest under Tracts 3 through 8, inclusive, to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
18. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by W. E. Alsup et ux committing their working interests under Tracts 3 through 8, inclusive, to the above captioned Unit. This instrument has been filed with the United States Geological Survey.

19. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by J. R. Abercrombie et ux, and Joe Quinn et ux, committing their working interest under Tracts 3 through 8, inclusive, to the above captioned Unit. This instrument has been filed with the United States Geological Survey.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick
T. W. Bittick
Area Landman
Lease Department

TWB/ROB/mas
Enclosures
cc: Attached List

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

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

Mr. C. F. Bedford
Stanolind Oil & Gas Company
Oil & Gas Building
Fort Worth, Texas

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

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

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

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

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

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. W. E. Alsup
1247 Shafter Street
San Mateo, California

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

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

Mrs. Evelyn Ellen Wallace,
Co-trustee for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

Tr. 3, 5, 7

ADDRESS

SIGNATURE

117 E. Coronado

Santa Fe, New Mexico

Date: _____

Date: _____

STATE OF NEW MEXICO)

COUNTY OF EDDY)

SS.:

On this 8th day of July, 1953, before me personally appeared Frank Patania and Aurora Patania, his wife, to me known to be the person s _____ described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

May 12, 1957

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

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

TR. 11,

ADDRESS

SIGNATURE

320 Korber Building

Albuquerque, New Mexico

Date: July 29, 1953

Thomas J. Harrington

as his sole and separate estate

Date: _____

STATE OF NEW MEXICO)

COUNTY OF BERNALILLO)

SS.

On this 29th day of July, 19 53,
before me personally appeared THOMAS F. HARRINGTON
to me known to be the person _____ described in and who executed the foregoing
instrument, and acknowledged that _____ he _____ executed the same as his
free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

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

My commission expires:

1-9-1954

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARRIBA COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

Tract 13

ADDRESS

SIGNATURE

Alice Bolack
Tom Bolack

Date: _____

Date: _____

STATE OF NEW MEXICO)
COUNTY OF SAN JUAN)

SS.:

On this 5 day of August, 1953, before me personally appeared Tom Bolack and Alice Bolack to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

August 22, 1956

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

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement. Applies to tract 14 & 15 and does not include tract No. 13.

<u>ADDRESS</u>	<u>TR. 14, 15</u>	<u>SIGNATURE</u>
<u>1010 N. Dustin</u>		<u>Alice Bolack</u>
<u>Farmington, N. Mex.</u>		<u>Tom Bolack</u>
Date: _____		_____
_____		_____
_____		_____
Date: _____		_____

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

On this 10th day of July, 19 53, before me personally appeared Alice Bolack & Tom Bolack, her husband, to me known to be the person s described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

[Signature]
Notary Public in and for San Juan
County, State of New Mexico

My commission expires:

My Commission Expires

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

TR. 17, 23

ADDRESS

SIGNATURE

220 Shelby Street

Santa Fe, New Mexico

Date: July 31, 1953

Date: _____

STATE OF New Mexico)

COUNTY OF Santa Fe)

SS.:

On this 31st day of July, 1953, before me personally appeared Forrest B. Miller and Mabelle M. Miller to me known to be the person s _____ described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

March 7, 1954

Wm. W. Burkhorn
Notary Public in and for
Santa Fe County, State of
New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-4 Unit Area located within the County of RIO ARRIBA State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR 1

ADDRESS

SIGNATURE

1720 Liberty
Lawrence Oklahoma
Date: 6/15/53

Virgil E. Riddle
Gladys M. Riddle

STATE OF OKLAHOMA)
COUNTY OF COMANCHE) SS.:

On this 16th day of June, 1953, before me appeared

Virgil E. Riddle and Gladys M. Riddle
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

May 18, 1957

Owen Caldwell
Notary Public in and for Comanche County,
State of Oklahoma

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR 1

ADDRESS

H. K. Riddle

P. O. Box 1055

Albuquerque, N. M.

SIGNATURE

H. K. Riddle
Dena Riddle

Date: _____

STATE OF New Mexico)
COUNTY OF Bernalillo) SS.:

On this 15th day of June, 195 3, before me appeared

H. K. Riddle and Dena Riddle

his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

3-15-54

Francis J. White
Notary Public in and for
Bernalillo County,
State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 1, 16

ADDRESS

SIGNATURE

1404 Republic Bank Building

Dallas 1, Texas

Date: June 17, 1953

Gordon Simpson

Grace Simpson

STATE OF TEXAS)
COUNTY OF DALLAS) SS.:

On this 17th day of June, 1953, before me appeared Gordon Simpson and Grace Simpson his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:
My Commission Expires
June 1, 1955

Catherine R. Sullivan
Notary Public in and for Dallas County,
State of Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 2

ADDRESS

Shirkmore Apt. Hotel, Wichita, Kansas

Shirkmore Apt. Hotel, Wichita, Kansas

SIGNATURE

Grace Kramer Ernest
R. H. Ernest

Date: June 17, 1953

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS.:

On this 17th day of June, 1953, before me appeared

R. H. Ernest and Grace Kramer Ernest
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Nov 3 - 1955

Harold B. Harrison
Notary Public in and for
Sedgwick County,
State of Kansas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 2

ADDRESS

% 533 W 18th St.

Casper, Wyoming

Date: June 28, 1953

SIGNATURE

Charles Rex Myles
Charles Rex Myles

Patsy Lou Myles
Patsy Lou Myles

STATE OF Wyoming)
COUNTY OF Natrona) SS.:

On this 28rd day of June, 1953, before me appeared

Charles Rex Myles and Patsy Lou Myles, his wife
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Nov. 10, 1956

Ray E. Newick
Notary Public in and for _____
Natrona County,
State of Wyoming

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of Rio Arriba, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 2

ADDRESS

SIGNATURE

2318 Fifth Avenue

HELEN MAGRUDER

Fort Worth, Texas

Date: July 11, 1953

ATTEST:

THE FORT WORTH NATIONAL BANK,
Independent Executor & Trustee of the
Estate of Roy S. Magruder, Deceased

Assistant Cashier

Fort Worth, Texas

By

F. O. Shelton
Vice-President

Date: July 11, 1953

STATE OF TEXAS)
COUNTY OF TARRANT) SS.:

On this 11th day of July, 1953, before me appeared F. O. SHELTON, to me personally known, who, being by me duly sworn, did say that he is the Vice- President of The Fort Worth National Bank, a corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said F. O. SHELTON acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

My Commission Expires June 1, 1955

[Signature]
Notary Public in and for _____
Tarrant County,
State of Texas

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared _____ and _____ his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF TEXAS)
COUNTY OF TARRANT) SS.:

On this 11th day of July, 1953, before me personally appeared HELEN MACRUDER, a Widow, ~~acknowledged~~ person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as her free act and deed.

My Commission expires:

My Commission Expires June 1, 1955

[Signature]
Notary Public in and for _____
Tarrant County,
State of Texas

RUTH RAGON MAYO
Notary Public, Tarrant County, Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28.5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 2, 12

ADDRESS

SIGNATURE

850 S. Santa Fe
Salina, Kansas

Guy R. Campbell
Mary D. Campbell

Date: June 18, 1953

STATE OF Kansas SS.:
COUNTY OF Salina

On this 18th day of June, 1953, before me appeared Guy R. Campbell and Mary D. Campbell his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Robert J. [Signature]
Notary Public in and for
Salina County,
State of Kansas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 3, 5, 7, 9

ADDRESS

117 E. Coronado

Santa Fe, New Mexico

SIGNATURE

Frank Patania
Aurora Patania

Date: _____

STATE OF NEW MEXICO }
COUNTY OF EDDY } SS.:

On this 8th day of July, 1953, before me appeared

Frank Patania and Aurora Patania

his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

May 12, 1957

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 22 - 5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 4, 6, 8

ADDRESS

SIGNATURE

1404 Republic Bank Bldg.

W. H. Sparks

Dallas 1, Texas

Date: June 17, 1953

1404 Republic Bank Bldg.

Henreitta N. Sparks

Dallas 1, Texas

STATE OF TEXAS)
COUNTY OF DALLAS)

SS.:

On this 17th day of June, 1953, before me appeared

W. H. SPARKS

and

HENREITTA N. SPARKS

his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

6-1-55

Mary Jane Bice (Mary Jane Bice)
Notary Public in and for
DALLAS County, TEXAS
State of TEXAS

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of BIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR 9

ADDRESS

145 Iowa Street
Denver 9, Colorado

SIGNATURE

Hazel D. Quitsan

Date: JUN 24 1953

STATE OF COLORADO)
CITY AND)
COUNTY OF DENVER) SS.:

On this 24th day of June, 1953, before me personally

appeared Hazel D. Quitsan, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that he executed the same as her free act and deed.

My Commission expires:

February 15, 1954

Margaret C. Smith
Notary Public in and for City and County
of Denver County,
State of Colorado

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 11, 12

ADDRESS

320 Korber Building

Albuquerque, New Mexico

Date: July 29, 1953

SIGNATURE

Thomas F. Harrington

as his sole and separate estate

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

On this 29th day of July, 1953, before me personally appeared THOMAS F. HARRINGTON, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that he he executed the same as his free act and deed.

My Commission expires:

1- 9-1954

Sam Deza

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR 12

ADDRESS

P. O. Box 2289, Denver 1, Colorado.

ATTEST:

Hladys Scoles
Assistant Secretary

Date: June 16, 1953.

SIGNATURE

WILSON PETROLEUM COMPANY

BY: Floyd J. Wilson
President

STATE OF COLORADO)

CITY & COUNTY OF DENVER)

SS.:

On this 16th day of June, 1953, before me appeared

Floyd J. Wilson, to me personally known, who, being by me duly sworn, did say that he is the President of Wilson Petroleum Company, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said Floyd J. Wilson acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

January 29, 1956

Mildred Glenn Hawley

Notary Public in and for City & County of Denver, San Juan State of Colorado.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARRIEA State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 12

ADDRESS

SIGNATURE

SAM DAZZO

Room 624

Room 624
First National Bank Building
Albuquerque, New Mexico

Date: _____

Notes:

STATE OF NEW MEXICO)

SS.:

COUNTY OF BERNALILLO)

On this 30th day of July, 1953, before me appeared

SAM DAZZO

and

FRANCIS DAIZO

his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires: .

11-15-1953

3

Salvador John Mattem

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of OTO 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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Sheet 13

ADDRESS

SIGNATURE

Alice Bolack
Tom Bolack

Date: _____

STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) SS.:

On this 5 day of August, 1953, before me appeared

Tom Bolack and Alice Bolack
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

August 22, 1956

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest. Applies to tract 14 & 15 and does not include tract No. 13.

Tr. 14, 15

ADDRESS

1010 N. Dustin

Farminington, N. Mex.

Date: _____

SIGNATURE

Alice Bolack
Tom Bolack

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

On this 10th day of July, 1953, before me appeared

Tom Bolack and Alice Bolack
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

My Commission Expires August 1, 1954

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of BIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 16

ADDRESS

30 E. Alder

Walla Walla, Wash.

Date: June 19, 1953

SIGNATURE

Glenn H. Callow
Ruth Callow

STATE OF Washington)
COUNTY OF Walla Walla) SS.:

On this 19th day of June, 1953, before me appeared

Glenn H. Callow and Ruth Callow
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

November 12, 1955

Gail E. Johnson
Notary Public in and for
Walla Walla County,
State of Washington

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 17, 23

ADDRESS

SIGNATURE

220 Shelby Street

Santa Fe, New Mexico

Date: July 31, 1953

Forrest B. Miller
Mabelle M. Miller

STATE OF New Mexico }
COUNTY OF Santa Fe }

SS.:

On this 31st day of July, 1953, before me appeared

Forrest B. Miller and Mabelle M. Miller
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

March 7, 1954

John W. Burdman
Notary Public in and for
Santa Fe County,
State of New Mexico

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

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. C. F. Bedford
Stanolind Oil & Gas Company
Oil & Gas Building
Fort Worth, Texas

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

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

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

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

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

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

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

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mr. W. E. Alsup
1247 Shafter Street
San Mateo, California

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

Mrs. Evelyn Ellen Wallace,
Co-trustee for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Ch. 4, 6, 8, 9

ADDRESS

SIGNATURE

P. O. Box 2011

Santa Fe, New Mexico

[Signature]

Date:

STATE OF NEW MEXICO)
COUNTY OF EDDY) SS

On this 8th day of July, 19 53, before me personally appeared Joe Quinn and Kathleen Quinn, his wife,

to me known to be the person s described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My commission expires:

May 12, 1957

[Signature]
Notary Public in and for Eddy
County, State of New Mexico

STATE OF)
) SS.:
COUNTY OF

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

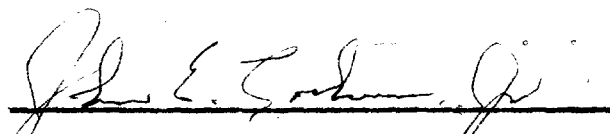
Notary Public in and for _____
County,
State of _____

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

On this 8th day of July, 1953, before me appeared M. A. Romero and Alicia V. Romero his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

May 12, 1957



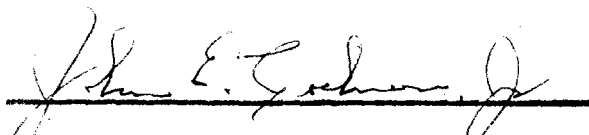
Notary Public in and for _____
Eddy County,
State of New Mexico

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

On this 8th day of July, 1953, before me personally appeared N. B. Stern, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as his free act and deed.

My Commission expires:

May 12, 1957



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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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4, 6, 8, 9

ADDRESS

SIGNATURE

P.O. Box 335
Santa Fe N.M.

J. R. Alumbaugh
Dr. J. R. Alumbaugh

Date: _____

Box 335 Santa Fe N.M.
to me

Kathleen Quinn

Date: _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature]
Vice President

WORKING INTEREST OWNER

UNIT OPERATOR

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By [Signature]
Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
STANOLIND OIL AND GAS COMPANY

By [Signature]
Vice President
WORKING INTEREST OWNER



STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

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

On this 8th day of July, 1953, before me appeared

J. R. Abercrombie and Dorothy Dick Abercrombie
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

May 12, 1957

John E. Johnson, Jr.
Notary Public in and for _____
Eddy County,
State of New Mexico

STATE OF NEW MEXICO)
COUNTY OF EDDY) SS

On this 8th day of July, 1953, before me

personally appeared Joe Quinn and Kathleen Quinn, his wife,

to me known to be the person s described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their free
act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate above written.

My commission expires:

May 12, 1957

John E. Johnson, Jr.
Notary Public in and for Eddy
County, State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

No. 4, 6, 8, 9

ADDRESS

220 Shelby Street

Santa Fe, New Mexico

Date: July 31, 1953

Date: _____

SIGNATURE

T. M. Elvain

Catherine B. McElvain

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

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By [Signature]
Vice President

WORKING INTEREST OWNER

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

APPROVED
[Signature]

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF New Mexico)
COUNTY OF Santa Fe) SS.:

On this 31st day of July, 1953, before me appeared

T. H. McElvain and Catherine B. McElvain
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

March 7, 1954

John W. Buttham
Notary Public in and for _____
Santa Fe County,
State of New Mexico

STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

4, 6, 8, 9

ADDRESS

SIGNATURE

P. O. Box 896, Albuquerque, N. M.

R. P. Timmer

Frances Timmer

Date: 4-16-64

Date: _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature]
Vice President

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
STANOLIND OIL AND GAS COMPANY

By [Signature]
Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By [Signature]
Vice President

WORKING INTEREST OWNER



STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF New Mexico)
COUNTY OF Bernalillo) SS.:

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

R. L. Tinnin and Frances Tinnin
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

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

STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Pl. 4, 6, 8, 9

ADDRESS

SIGNATURE

1247 Shafter Street

San Mateo, California

Date: _____

H.B. Blank

Caroline J. Alsop

Date: _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By H.T. Shaw
Vice President

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By Gordon Simpson
Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

STANDARD OIL AND GAS COMPANY

By Frank Henderson
Vice President

WORKING INTEREST OWNER

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

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

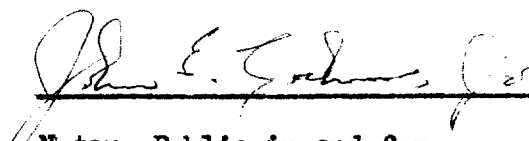
STATE OF NEW MEXICO)
COUNTY OF BLOOM) SS.:

On this 24th day of July, 1953, before me appeared

S. E. Alsop and Caroline J. Alsop
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

July 12, 1957



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

STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RYO 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.

No. 4, 6, 8, 9

ADDRESS

Box 896

Albuquerque, New Mexico

SIGNATURE

Alveta E. Quinn

Date: _____

Date: _____

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

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By *[Signature]*
Vice President
WORKING INTEREST OWNER

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

STATE OF
COUNTY OF

} SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF
COUNTY OF

} SS.:

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

_____ and
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO
COUNTY OF EDDY

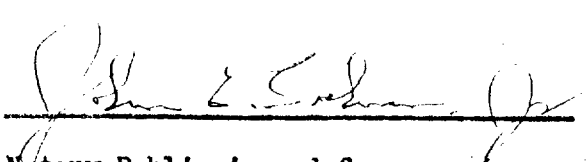
} SS.:

On this 8th day of July, 195 3, before me personally

appeared Omega E. Quinn _____, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ s he executed the same as her _____ free act and deed.

My Commission expires:

May 12, 1957


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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Mr. 7, 6, 8, 9

ADDRESS

SIGNATURE

P. O. Box 1150

El Paso, Texas

Date: _____

[Signature]

Thelma K. Paul

Date: _____

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

WORKING INTEREST OWNER
UNIT OPERATOR

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

APPROVED

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By [Signature]
Vice President
WORKING INTEREST OWNER

STATE OF)
) SS.:
COUNTY OF

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

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


STATE OF Texas)
) SS.:
COUNTY OF Hale

On this 9th day of July, 195³, before me appeared

H. O. Pool _____ and _____ Thelma K. Pool
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

June 1, 1955

 Thelma K. Pool
Notary Public in and for Hale
_____ County,
State of Texas

STATE OF)
) SS.:
COUNTY OF

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

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

My Commission expires:

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

4, 6, 8, 7

ADDRESS

SIGNATURE

14 Arkell Drive

James Brown

Scausdale, New York

Mary Ellen Brown Wife

Date: _____

Evelyn G. Brown Widow

James Brown Co-Trustee for
Evelyn Ellen Wallace

Date: _____

Evelyn Ellen Wallace
Co-Trustee for Evelyn Ellen
Wallace

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By W. F. Steen
Vice President

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By Harold Simpson
Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

STANOLIND OIL AND GAS COMPANY

By Frank L. Linder
Vice President

WORKING INTEREST OWNER

APPROVED

[Signature]

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW YORK)
COUNTY OF WESTCHESTER) SS.:

On this 31st day of July, 1953, before me appeared

James A. Brown and Mary Ellen Brown
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

HENRY B. SCHINDLER
Notary Public, State of New York
No. 60-5499575
Qualified in Westchester County
Term Expires March 30, 1955

Henry B. Schindler
Notary Public in and for _____
County,
State of _____

STATE OF NEW YORK)
COUNTY OF WESTCHESTER) SS.:

On this 31st day of July, 1953, before me personally
appeared Evelyn Ellen Wallace Co-Trustee for and Evelyn G. Brown, a Widow
Evelyn Ellen Wallace, a single person, /to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that they ~~he~~ executed the same as their free act and deed.

My Commission expires:

Henry B. Schindler
Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARRIBA State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 11

ADDRESS

P. O. Box 933

Roswell, New Mexico

Date: January 27, 1954

Date: _____

~~APPROVED AND CONSENTED TO:~~
~~EL PASO NATURAL GAS COMPANY~~

By _____
Vice President

~~WORKING INTEREST OWNER~~

SIGNATURE

Foster Inyorell

Edna E. Inyorell

APPROVED AND CONSENTED TO:

By Thomas F. Harrington
Thomas F. Harrington

WORKING INTEREST OWNER

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

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

On this 27th day of January, 195⁴____, before me appeared

Foster Morrell and Edna E. Morrell

his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

3/16/57

Ernest Lee Hodges
Notary Public in and for _____
Chaves County,
State of NEW MEXICO

STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARRIBA State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Fr. 21, 24, 25

ADDRESS

Date: _____

Date: _____

SIGNATURE

Russell Ernest Arnold
Russell Ernest Arnold
Clara Arnold
Clara Arnold

Approved and Consented to:
Stanolind Oil and Gas Company
Working Interest Owner

Frank Lindeman
Vice-President



STATE OF)
) SS.:
COUNTY OF)

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO)
) SS.:
COUNTY OF San Juan)

On this 29th day of August, 1953, before me ^{personally} appeared

Russell Ernest Arnold and Clara Arnold

his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

April 16, 1954

Shelley B. Armstrong Jr.
Notary Public in and for _____
San Juan County,
State of New Mexico

STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 11

ADDRESS

P. O. Box 933

Roswell, New Mexico

Date: January 27, 1954

Date: _____

~~APPROVED AND CONSENTED TO:~~
~~EL PASO NATURAL GAS COMPANY~~
By _____
Vice President
~~WORKING INTEREST OWNER~~

SIGNATURE

Charles C. Harrington Jr.

APPROVED AND CONSENTED TO:

By Thomas F. Harrington
Thomas F. Harrington
WORKING INTEREST OWNER

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF)
COUNTY OF) SS.:

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

_____ and _____
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

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

On this 27th day of January, 1954, before me personally

appeared Charles C. Harlan, Jr., a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ he executed the same as _____ his _____ free act and deed.

My Commission expires:

3/16/57

Ernest Lee Hodges
Notary Public in and for _____
Chaves County,
State of New Mexico

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28 - 5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28 - 5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

220 Shelby Street

Santa Fe, New Mexico

Date: July 31, 1953

SIGNATURE

T. H. McElvain

Catherine B. McElvain

Date: _____

STATE OF New Mexico)

COUNTY OF Santa Fe)

SS.:

On this 31st day of July, 1953, before me personally appeared T. H. McElvain and Catherine B. McElvain to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

March 7, 1954

Elmer W. Bartleman
Notary Public in and for _____

Santa Fe County, State of _____

New Mexico

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By H. F. [Signature]

Vice President

UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 27 - 5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 27 - 5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

SIGNATURE

P. O. Box 896

Albuquerque, New Mexico

Date: 6-4-54

R. P. Tinnin

Frances Tinnin

Date: _____

STATE OF New Mexico)

COUNTY OF Bernalillo)

SS.:

On this 4th day of June, 195 4, before me personally appeared R. P. Tinnin and Frances Tinnin to me known to be the person s described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

2-5-56

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

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

UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

Box 1150

Plainview, Texas

Date: _____

Date: _____

SIGNATURE

Thelma K. Pool

STATE OF Texas)
COUNTY OF Hale)

SS.

On this 9th day of July, 19 53,
before me personally appeared H. O. Pool and wife, Thelma K. Pool,
to me known to be the persons described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their
free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Elaine Parker Elaine Parker
Notary Public in and for Hale
County, State of Texas

My commission expires:

June 1, 1955

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By H. T. Shaw
Vice President

UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARRIBA COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

Tr. 5, 5, 7

SIGNATURE

14 Axel Drive

Scausdate, New York

Date: _____

Date: _____

James A. Brown

Mary Ellen Brown - WIFE

Evelyn G. Brown - WIDOW

James A. Brown CO-TRUSTEE FOR
EVELYN ELLEN WALLACE

Evelyn Ellen Wallace
CO-TRUSTEE FOR
EVELYN ELLEN WALLACE

STATE OF NEW YORK)

COUNTY OF WESTCHESTER)

SS.:

On this 31st day of July, 1953, before me personally appeared James A. Brown, Mary Ellen Brown, Evelyn G. Brown & Evelyn Ellen Wallace to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Henry B. Schindler

Notary Public in and for _____
County, State of _____

My Commission expires:

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By A. F. Shaw

Vice President

UNIT OPERATOR

HENRY B. SCHINDLER
Notary Public, State of New York
No. 60-3499875
Qualified in Westchester County
Term Expires March 30, 1955

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28 - 5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28 - 5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

Tr. 3, 5, 7

SIGNATURE

P. O. Box 2011

Santa Fe, New Mexico

[Signature]

Date: _____

L. F. Santa Fe nm

N.B. Stern

Date: _____

STATE OF NEW MEXICO

COUNTY OF EDDY

SS.:

On this 8th day of July, 195 3, before me personally appeared M. A. Romero and Alicia V. Romero, his wife, to me known to be the person • described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

May 12, 1957

[Signature]
Notary Public in and for Eddy County, State of New Mexico

APPROVED AND CONSENTED TO: EL PASO NATURAL GAS COMPANY

By *[Signature]*
Vice President

UNIT OPERATOR

NOTARY PUBLIC STATE OF NEW MEXICO
JAMES E. SUTHERLAND
NOTARY PUBLIC STATE OF NEW MEXICO
JAMES E. SUTHERLAND

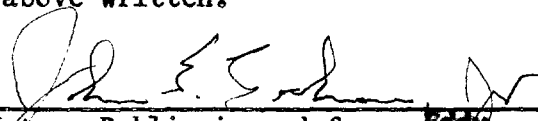
STATE OF NEW MEXICO)
COUNTY OF EDDY) SS

On this 8th day of July, 19 53, before me
personally appeared N. B. Stern, a single person,

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

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate above written.

My commission expires:
May 12, 1957


Notary Public in and for Eddy
County, State of New Mexico

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

Box 896

Albuquerque, New Mexico

SIGNATURE

Omega E. Quinn

Date: _____

Date: _____

STATE OF NEW MEXICO

COUNTY OF EDDY

)
) SS.:
)

On this 8th day of July, 1953, before me personally appeared Omega E. Quinn, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

May 12, 1957

John E. Cochran, Jr.
Notary Public in and for Eddy County, State of New Mexico

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By A. J. Allen

Vice President

UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28 - 5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28 - 5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

Ch. 3, 5, 7

SIGNATURE

1247 Shafter Street

San Mateo, California

Date: _____

W.E. Alsop,

Caroline J. Alsop

Date: _____

STATE OF NEW MEXICO

COUNTY OF EDDY

)
)
) SS.:

On this 3th day of July, 1953, before me personally appeared W.E. Alsop and Caroline J. Alsop, his wife, to me known to be the person 8 described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

May 12, 1957

John E. Zuckerman, Jr.
Notary Public in and for Eddy County, State of New Mexico

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By *[Signature]*

Vice President

UNIT & P. 111

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28 - 5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28 - 5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS *Tr. 3, 5, 7* SIGNATURE

P.O. Box 335,
Santa Fe, N.M.

Date: _____

P.O. Box 335,
Santa Fe, N.M.

Date: _____

J.R. Abercrombie
Dorothy Dick Abercrombie

Bruce
Kathleen Quissm

STATE OF NEW MEXICO)
COUNTY OF EDDY)

SS.

On this 8th day of July, 19 53,
before me personally appeared J.R. Abercrombie and Dorothy Dick Abercrombie, his wife,
to me known to be the person s described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their
free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate above written.

John E. Cochran, Jr.
Notary Public in and for Eddy
County, State of New Mexico

My commission expires:

May 12, 1957

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By A. F. Shaw
Vice President
UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Pl. 21, 24, 25

ADDRESS

SIGNATURE

Wm. H. ...

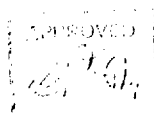
...

Date: _____

Date: _____

Approved and Consented to:
Stanolind Oil and Gas Company
Working Interest Owner

By *[Signature]*
Vice-President



STATE OF _____)
COUNTY OF _____) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO)
COUNTY OF San Juan) SS.:

On this 29th day of August, 1953, before me ^{personally} appeared

Isacell Ernest Arnold and Clara Arnold

his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

April 16, 1954

Shelby B. Armstrong Jr.
Notary Public in and for _____
San Juan County,
State of New Mexico

STATE OF _____)
COUNTY OF _____) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 11

ADDRESS

P. O. Box 933

Roswell, New Mexico

Date: January 27, 1954

Date:

~~APPROVED AND CONSENTED TO:~~
~~EL PASO NATURAL GAS COMPANY~~
~~By~~ Vice President
~~WORKING INTEREST OWNER~~

SIGNATURE

Charles C. Harrison

APPROVED AND CONSENTED TO:

By Thomas F. Harrington
Thomas F. Harrington
WORKING INTEREST OWNER

STATE OF
COUNTY OF

} SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF
COUNTY OF

} SS.:

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

and
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO }
COUNTY OF CHAVES }

SS.:

On this 27th day of January, 195⁴, before me personally

appeared Charles C. Harlan, Jr., a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ he executed the same as his _____ free act and deed.

My Commission expires:

3/16/57

Ernest Lee Hodges
Notary Public in and for _____
Chaves County,
State of NEW MEXICO

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

220 Shelby Street

Santa Fe, New Mexico

Date: July 31, 1953

Date: _____

SIGNATURE

T. H. McElvain
Catherine B. McElvain

STATE OF New Mexico)

COUNTY OF Santa Fe)

SS.:

On this 31st day of July, 1953, before me personally appeared T. H. McElvain and Catherine B. McElvain to me known to be the person s _____ described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires: _____

Wm. W. Burdick
Notary Public in and for
Santa Fe County, State of
New Mexico

APPROVED AND CONCURRED TO:
EL PASO NATIONAL LAND COMPANY
By _____
Vice President

WITNESSES

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

SIGNATURE

P. O. Box 896

R P Tinnin

Albuquerque, New Mexico

Frances Tinnin

Date: 6-4-54

Date: _____

STATE OF New Mexico)
COUNTY OF Bernalillo)

SS.:

On this 4th day of June, 195 4, before me personally appeared R. P. Tinnin and Frances Tinnin to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

Pauline Bevier

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

2-5-56

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

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

P. O. Box 1150
Plainview, Texas

Date: _____

Date: _____

STATE OF Texas)
COUNTY OF Hale)

SS.

On this 9th day of July, 19 53,
before me personally appeared H. O. Pool and wife, Thelma K. Pool,
to me known to be the persons described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their
free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Elise Parker
Notary Public in and for Hale
County, State of Texas

My commission expires:

June 1, 1955

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

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

71.3.5.7

ADDRESS

14 Arthur Drive

Scarsdale, New York

Date: _____

Date: _____

STATE OF NEW YORK)
COUNTY OF WESTCHESTER)

SS.:

SIGNATURE

James A. Brown

Mary Ellen Brown - WIFE

Evelyn G. Brown -
WIDOW

James A. Brown CO-TRUSTEE FOR
EVELYN ELLEN WALLACE

Evelyn Ellen Wallace
CO-TRUSTEE FOR
EVELYN ELLEN WALLACE

On this 31st day of July, 1953, before me personally appeared James A. Brown, Mary Ellen Brown, Evelyn G. Brown & Evelyn Ellen Wallace to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY

By [Signature]
Vice President

UNIT OPERATOR

HENRY B. SCHINDLER
Notary Public, State of New York
No. 60 3429875
Qualified in Westchester County
Term Expires March 30, 1955

Henry B. Schindler
Notary Public in and for _____
County, State of _____

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

<u>ADDRESS</u>	<u>SIGNATURE</u>
<u>7th. S. 5, 7</u> <u>P.O. Box 2011</u> <u>Santa Fe, N.M.</u>	<u>M.A.R. Romero</u> <u>Mrs. R.</u>

Date: _____

<u>Linda Santa Fe N.M.</u>	<u>N.B. Stern</u> <u>N.B. Stern</u>
----------------------------	--

Date: _____

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

On this 8th day of July, 1953, before me personally appeared M.A. Romero and Alicia V. Romero, his wife, to me known to be the person s described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

May 12, 1957

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

UNIT OPERATOR

[Signature]
Notary Public in and for
Eddy County, State of
New Mexico

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

H. 3, 5, 7

ADDRESS

SIGNATURE

Box 896

Albuquerque, New Mexico

Omega E. Quinn

Date: _____

Date: _____

STATE OF NEW MEXICO

COUNTY OF EDDY

SS.:

On this 8th day of July, 1953, before me personally appeared Omega E. Quinn, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

May 12, 1957

John E. Cochran Jr.
Notary Public in and for _____
Eddy County, State of _____
New Mexico

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By *[Signature]*

Vice President

UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said _____, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

Ch. 3, 5, 7

ADDRESS

SIGNATURE

1247 Shafter Street

San Mateo, California

Date: _____

Date: _____

STATE OF NEW MEXICO)

COUNTY OF EDDY)

SS.:

On this 8th day of July, 195 3, before me personally appeared W. E. Alsup and Caroline J. Alsup, his wife, to me known to be the person s described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

July 12, 1957

Notary Public in and for
Eddy County, State of
New Mexico

APPROVED AND CONSENTED TO:

BY _____

Notary Public

NOT COVERED

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 28-5 Unit RIO ARRIBA COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 28-5 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

M. 3, 5, 7

ADDRESS

SIGNATURE

P.O. Box 335

Santa Fe, N.M.

Date: _____

P.O. Box 335

Santa Fe, N.M.

Date: _____

STATE OF NEW MEXICO

COUNTY OF EDDY

SS.

On this 8th day of July, 19 53, before me personally appeared J. R. Abercrombie and Dorothy Dick Abercrombie, his wife, to me known to be the person s described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

John E. Cook, Jr.
Notary Public (in and for Eddy
County, State of New Mexico)

My commission expires:

May 12, 1957

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

STATE OF NEW MEXICO)
COUNTY OF EDDY) SS

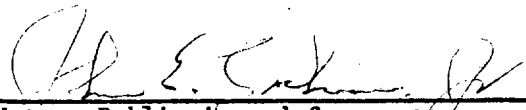
On this 8th day of July, 1953, before me
personally appeared Joe Quinn and Kathleen Quinn, his wife,

to me known to be the person s described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their free
act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate above written.

My commission expires:

May 12, 1957


Notary Public in and for Eddy
County, State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Th. 4, 6, 8, 9

ADDRESS

SIGNATURE

P. O. Box 2011

Santa Fe, New Mexico

mar

Date: _____

J. Land Hotel Santa Fe nm

W.B. Starn

Date: _____

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

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
STANOLIND OIL AND GAS COMPANY
By *[Signature]*
Vice President
WORKING INTEREST OWNER

APPROVED

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By *Gordon Simpson*
Vice President

WORKING INTEREST OWNER:

STATE OF
COUNTY OF

} SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO
COUNTY OF EDDY

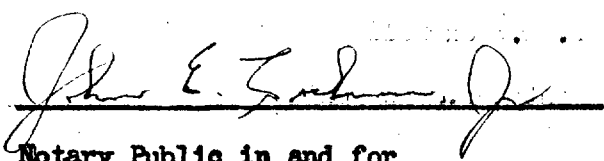
} SS.:

On this 8th day of July, 1953, before me appeared

M. A. Romero and Alicia V. Romero
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

May 12, 1957


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

STATE OF NEW MEXICO
COUNTY OF EDDY

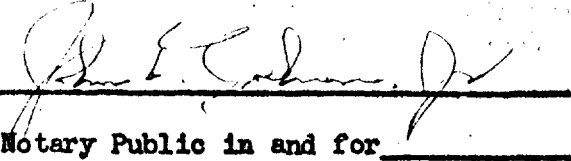
} SS.:

On this 8th day of July, 1953, before me personally

appeared N. B. Stern, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ he executed the same as his free act and deed.

My Commission expires:

May 12, 1957


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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 23-5 Unit Area located within the County of RIO ARRIBA State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Th. 4, 6, 8, 9

ADDRESS

SIGNATURE

P.O. Box 335
Santa Fe, N.M.

J.R. Abernethy
Barth Dick Abernethy

Date: _____

P.O. Box 335
Santa Fe, N.M.

Kathleen Quinn

Date: _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By R.F. Shaw
Vice President

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By Gordon Simpson
Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
STANLIND OIL AND GAS COMPANY

By Frank S. Sander
Vice President
WORKING INTEREST OWNER

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

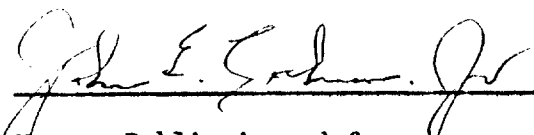
STATE OF NEW MEXICO)
COUNTY OF EDDY) SS.:

On this 8th day of July, 195 3, before me appeared

J. R. Abercrombie and Dorothy Dick Abercrombie
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

May 12, 1957


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

STATE OF NEW MEXICO)
COUNTY OF EDDY) SS

On this 8th day of July, 19 53, before me


personally appeared Joe Quinn and Kathleen Quinn, his wife,

to me known to be the person s _____ described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their free
act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate above written.

My commission expires:

May 12, 1957


Notary Public in and for Eddy
County, State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

No. 7, 6, 8, 9

ADDRESS

220 Shelby Street

Santa Fe, New Mexico

Date: July 31, 1953

SIGNATURE

J. M. Elvain
Catherine B. M. Elvain

Date: _____

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By J. F. Shaw
Vice President

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By Gordon G. Morrison
Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
STANDARD OIL AND GAS COMPANY
By Edward J. Anderson
Vice President
WORKING INTEREST OWNER

APPROVED

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF New Mexico)
COUNTY OF Santa Fe) SS.:

On this 31st day of July, 1953, before me appeared

T. H. McElvain and Catherine B. McElvain
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

March 7, 1954

John W. Burdman
Notary Public in and for _____
Santa Fe County,
State of New Mexico

STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

7, 8, 9

ADDRESS

P. O. Box 896, Albuquerque, New Mexico

■ ■ ■

Date: 4-16-54

SIGNATURE

R P Jimin

Frances Jimin

Date: _____

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

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
STANLEY OIL AND GAS COMPANY
By *[Signature]*
Vice President
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By *[Signature]*
Vice President

WORKING INTEREST OWNER



STATE OF
COUNTY OF

} SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF New Mexico }
COUNTY OF Bernalillo }

SS.:

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

R. P. Tinnin and Frances Tinnin
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

2-5-56

Pauline Brewer

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

STATE OF
COUNTY OF

} SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Th. 4, 6, 8, 9

ADDRESS

SIGNATURE

1247 Shafter Street

San Mateo, California

Date: _____

W.C. Alsop
Caroline J. Alsop

Date: _____

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By *H.T. Steers*
Vice President

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY, OF TEXAS
By *Gordon Simpson*
Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
STANOLIND OIL AND GAS COMPANY
By *Frank Henderson*
Vice President
WORKING INTEREST OWNER

FILED
1953

STATE OF)
COUNTY OF) SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

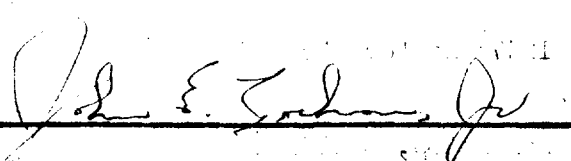
STATE OF NEW MEXICO)
COUNTY OF EDDY) SS.:

On this 8th day of July, 1953, before me appeared

W. E. Alsup and Caroline J. Alsup
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

May 12, 1957



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

STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

No. 4, 6, 8, 9

ADDRESS

Box 896

Albuquerque, New Mexico

Date: _____

Date: _____

SIGNATURE

Aluega E. Quisenberry

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

APPROVED AND CONSENTED TO:
STANOLIND OIL AND GAS COMPANY
By *[Signature]*
Vice President
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By *[Signature]*
Vice President
WORKING INTEREST OWNER

STATE OF
COUNTY OF

} SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF
COUNTY OF

} SS.:

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

_____ and _____
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO
COUNTY OF EDDY

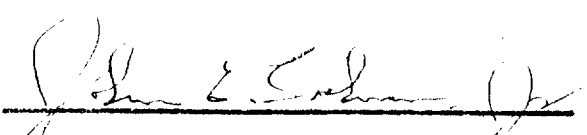
} SS.:

On this 8th day of July, 195 3, before me personally

appeared Omega E. Quinn _____, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ s he executed the same as her _____ free act and deed.

My Commission expires:

May 12, 1957



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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

A, 4, 6, 8, 9

ADDRESS

SIGNATURE

P. O. Box 1150

Plainview, Texas

Date:

Date:

Thelma K. Paul

Thelma K. Paul

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By *R. F. Shaw*
Vice President
WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By *Gordon Simpson*
Vice President
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
STANOLIND OIL AND GAS COMPANY
By *Frank Henderson*
Vice President
WORKING INTEREST OWNER



STATE OF }
COUNTY OF } SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____


STATE OF Texas }
COUNTY OF Hale } SS.:

On this 9th day of July, 1953, before me appeared

H. O. Pool and Thelma K. Pool
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

June 1, 1955

 Notary Public in and for Hale
County,
State of Texas

STATE OF }
COUNTY OF } SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Th. 4, 6, 8, 9

ADDRESS

14 Axtell Drive

Scarsdale, New York

Date: _____

Date: _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature]
Vice President

WORKING INTEREST OWNER
UNIT OPERATOR

APPROVED AND CONSENTED TO:
SUNBELT OIL AND GAS COMPANY

By [Signature]
Vice President

WORKING INTEREST OWNER

SIGNATURE

[Signature]

Mary Ellen Brown Wife

Evelyn G. Brown Widow

[Signature] Co-Trustee for
Evelyn Ellen Wallace

[Signature]
Co-Trustee for Evelyn Ellen
Wallace

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By [Signature]
Vice President

WORKING INTEREST OWNER

STATE OF
COUNTY OF

} SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

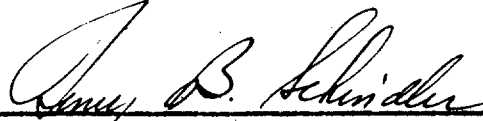
STATE OF NEW YORK
COUNTY OF WESTCHESTER

} SS.:

On this 1st day of July, 1953, before me appeared

James A. Brown and Mary Ellen Brown
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

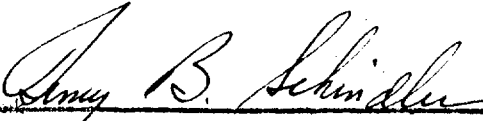

HENRY B. SCHINDLER
Notary Public, State of New York
No. 60-3499575
Qualified in Westchester County
Term Expires March 30, 1955
Notary Public in and for _____
County,
State of _____

STATE OF NEW YORK
COUNTY OF WESTCHESTER

} SS.:

On this 31st day of July, 1953, before me personally
Evelyn Ellen Wallace Co-Trustee for _____ and Evelyn G. Brown, a Widow
appeared Evelyn Ellen Wallace, a single person, /to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that they ~~he~~ executed the same as their free act and deed.

My Commission expires:


HENRY B. SCHINDLER
Notary Public, State of New York
No. 60-3499575
Qualified in Westchester County
Term Expires March 30, 1955
Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 23-5 Unit Area located within the County of MOHAVE State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 11

ADDRESS

P. O. Box 933

Roswell, New Mexico

Date: January 27, 1954.

Date: _____

~~APPROVED AND CONSENTED TO:~~
~~EL PASO NATURAL GAS COMPANY~~

By _____
Vice President

~~WORKING INTEREST OWNER~~

SIGNATURE

Foster Myrrell

Elena C. Myrrell

APPROVED AND CONSENTED TO:

By *Thomas F. Harrington*
Thomas F. Harrington

WORKING INTEREST OWNER

STATE OF
COUNTY OF

} SS.:

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

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO }
COUNTY OF CHAVES }

SS.:

On this 27th day of January, 195 4, before me appeared

Foster Morrell and Edna E. Morrell

his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

3/16/57

Ernest Lee Hodges

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

STATE OF
COUNTY OF

} SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

MAIN OFFICE OCC *El Paso Natural Gas Company*

1954 JUL 21 AM 11:43

TENTH FLOOR BASSETT TOWER

El Paso, Texas

July 19, 1954

*minutes of mtg
filed in Case 498
file*

To: All Working Interest Owners
San Juan 28-5 Unit

file - 28-5 Unit

On July 13, 1954, El Paso Natural Gas Company as Unit Operator called a meeting of the working interest owners in the above unit. This meeting was called to give the working interest owners a chance to express themselves and to object to or approve of the determination by El Paso Natural Gas Company that the following well was not commercial and would not be included in the Mesaverde Participating Area:

San Juan 28-5 #3 --- IPF 673 MCF

The average of the wells in the present Mesaverde Participating Area of the 28-5 Unit is 1,948 MCF. There are 17,199.68 acres committed to this unit and 200.00 acres not committed.

The working interest owners and the percentage of their interest in the unit is listed below, including how each working interest owner present voted on the above question:

<u>Name</u>	<u>Percentage</u>	<u>Present at Meeting</u>	<u>Voted to Sustain El Paso's Determination</u>
El Paso Natural Gas Company	51.5330%	Yes	Yes
Tom and Alice Bolack	1.8605%	No	
Phillips Petroleum Company	10.4654%	Yes	No
Stanolind Oil and Gas Co.	17.5482%	Yes	Yes
Thomas E. Harrington	9302%	No	
Alice Bolack	3.4884%	No	
Forrest B. Miller	2.7376%	No	
M. A. Romero, et al	11.4367%	Yes	(Not voting)

Respectfully submitted,

EL PASO NATURAL GAS COMPANY

By:

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

RLH:ms

5537-
file
7-16

MAIN OFFICE
PHILLIPS PETROLEUM COMPANY

10th Floor West Wing Phillips Building

1954 JUL BARTLESVILLE, OKLAHOMA

July 9, 1954
9:30

Re: San Juan 28-5 Federal Unit
#14-08-001-949

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

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

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

Gentlemen:

By telegram dated June 26, 1954, Phillips Petroleum Company gave notice of its protest to the determination by El Paso Natural Gas Company, the Unit Operator of San Juan 28-5 Federal Unit No. 14-08-001-949, that 28-5 Unit Well No. 3 in Section 26-28N-5W is not capable of producing unitized substances in paying quantities.

In our opinion this well is capable of producing unitized substances in "paying quantities" under the proper construction and definition of that term as used in the Unit Agreement and as contemplated by the parties to the Unit Agreement as evidenced by the practice of various unit operators under Federal units in the San Juan Field and the determinations made by such unit operators which have been approved by the Director without protest. There are numerous instances in which wells in the San Juan Field drilled to the Mesaverde formation have been determined to be capable of producing unitized substances in paying quantities as that term is used in San Juan Unit Agreements which have no larger potential productive capacity than the well here under consideration. The fact that wells completed at approximately the same depth with smaller potential productive capacity than the well here under consideration were considered by the Director, the Unit Operator and other interested parties to be wells capable of producing unitized substances in paying quantities under the terms of Federal Unit agreements with substantially identical provisions as the 28-5 Unit Agreement is strong evidence of the fact that within the contemplation of the terms of the subject Unit Agreement the subject well is capable of producing unitized substances in paying quantities. Certainly the term "paying quantities" must mean the same thing in one unit agreement in the San Juan Field as in another unit agreement in the San Juan Field where the terms of the agreements are the same. Since the Director and unit operators, including El Paso Natural Gas Company, and other interested parties have, by their actions, previously interpreted the term "paying quantities", as used in said unit agreements, as including wells of no greater potential capacity than the well here under consideration, it would appear that such interpretation of the term

July 9, 1954

Re: San Juan 28-5 Federal
Unit #14-08-001-949

"paying quantities" would be binding on the parties. We can see no necessity for deviating from such interpretation in this instance and feel that to do so would be contrary to the apparent intention of the parties to the Unit Agreement.

The mere fact that a well completed in the unit area has a smaller productive capacity than other wells then included in the participating area is not a valid basis upon which to exclude such smaller well from the participating area. The basic principle and objective of the unitization of undeveloped areas is the sharing of risks and benefits by all parties so as to promote the orderly development and operation of such area for the mutual benefit of all parties and to promote the economic development of natural resources. To exclude a small well from the participating area would serve to defeat the basic principle of sharing of risks and benefits and thereby discourage the continued development of the unit.

We therefore respectfully request that the determination by El Paso Natural Gas Company, the Unit Operator of the San Juan Unit 28-5 that 28-5 Unit Well No. 3 is not capable of producing unitized substances in paying quantities be disapproved and that the Unit Operator be directed to make a determination this well is capable of producing unitized substances in paying quantities within the contemplation of the terms of the Unit Agreement.

Yours very truly

PHILLIPS PETROLEUM COMPANY

BY


R. N. RICHEY - San Juan Division

RNR:wg

cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

5 April, 1954

MAIN OFFICE OCC
1954 APR 9 AM 8:34

553
file
Hunt
4.9

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

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

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

Re: San Juan 28-5 Unit No. 14-08-001-949
Rio Arriba County, New Mexico
Second Expanded Participating Area
Mesaverde Formation
Effective 1 April 1954

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement, # 14-08-001-949, approved 25 August 1953, El Paso Natural Gas Company as Unit Operator determined on 2 March 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 28-5 #2 Well, located 810' North of the South line and 810' East of the West line of Section 14, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on 12 November 1953, and reached a total depth of 6167'. The pay section was treated with a sand-oil frac. process. The well was tested on 2 March 1954 and after a three hour blow-down gauged an IP of 1235 MCFGPD with an SIPC of 1077# and an SIPT of 1080#. The committed drilling block upon which this well is located is described as the S/2 of Section 14, Township 28 North, Range 5 West, N.M.P.M. and consists of 320 acres.

Attached is Schedule III showing the Second Expanded Participating Area for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefore and, in the absence of disapproval, this expanded participating area will become effective as of 1 April 1954.

Copies of this letter and schedule are being sent to the Working Interest Owners as shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Thomas E. Allin, Jr.
Lease Department

TEA, Jr/mas
cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

March 8, 1954

MAR 13 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 28-5 Unit #1 Well
Determination of effective
date for Participating Area

Gentlemen:

Pursuant to a recent directive, the effective date of an initial participating area is to be the date of first production which has been determined to be the date the well was completed. In accordance with the above, I am writing you at this time to notify you of our determination regarding the effective date of first production for the initial participating area of the Mesaverde formation for the San Juan 28-5 Unit #1 Well.

This well was completed on 22 September 1953, thus according to the above noted directive from your office, the effective date of this participating area for the Mesaverde formation is 22 September 1953.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By Thomas E. Allin, Jr.
Thomas E. Allin, Jr.
Lease Department

TEA,Jr:pap
cc: Attached List

Re: 28-5 Unit

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

Mr. R. F. Rood
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. G. B. Jenkinson
Stanolind Oil and Gas Company
Box 591
Tulsa 2, Oklahoma

Mr. Frank Patania
117 E. Coronado
Santa Fe, New Mexico

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

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

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

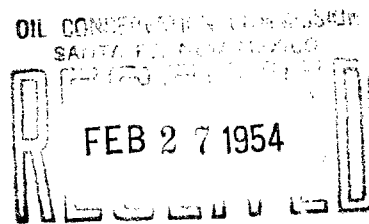
file
Hk
3-2

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

28 January 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 28-5 Unit No. 14-08-001-949
Rio Arriba County, New Mexico
First Expanded Participating Area
Mesaverde Formation
Effective 1 January 1954

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, No. 14-08-001-949, approved 25 August 1953, El Paso Natural Gas Company as Unit Operator determined on 8 December 1953 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 Company's San Juan 28-5 #4 Well, located 1650' North of the South line and 1650' West of the East line of Section 19, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on 2 October 1953, reached a total depth of 5951' and was completed on 14 November 1953. The pay section between 5186' and 5951' was shot with 1593 quarts of S.N.G. The well was tested on 8 December 1953 and after three-hour blow down gauged an IP of 2300 MCFGPD with an SIPC of 1045# and an SIPT of 1041#. The committed drilling block upon which this well is located is described as the N/2 of Section 19, Township 28 North, Range 5 West, N.M.P.M. and consists of 320 acres.

28 January 1954

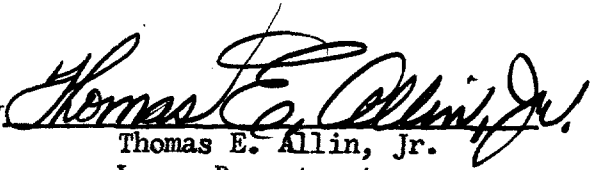
Attached is Schedule II showing the First Expanded Participating Area for the Mesaverde Formation for the San Juan 28-5 Unit Area. This describes the expanded participating area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval no provision is made therefore, and in the absence of disapproval, this expanded participating area will become effective as of 1 January 1954.

Copies of this letter and schedule are being sent to the Working Interest Owners as shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By


Thomas E. Allin, Jr.
Lease Department

TEAJr:je
cc: Attached List

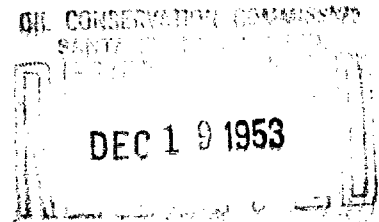
553 RS

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

December 11, 1953



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

Commissioner of Public Lands of
the State of New Mexico
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Santa Fe, New Mexico

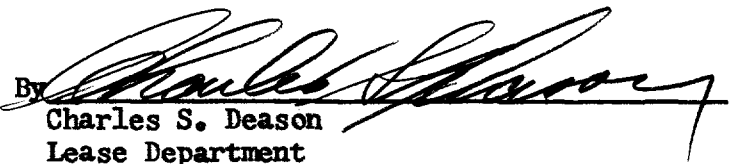
Re: San Juan 28-5 Unit
No. 14-08-001-949
Approval of Initial Participating Area
Mesaverde Formation

Gentlemen:

This is to advise that the Initial Participating Area, Mesaverde Formation, for the San Juan 28-5 Unit Area was approved by the Director, United States Geological Survey on November 19, 1953, the Commissioner of Public Lands of the State of New Mexico on November 10, 1953, and the Secretary of the Oil Conservation Commission of the State of New Mexico on November 3, 1953.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD:rf
cc: Attached List

555

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

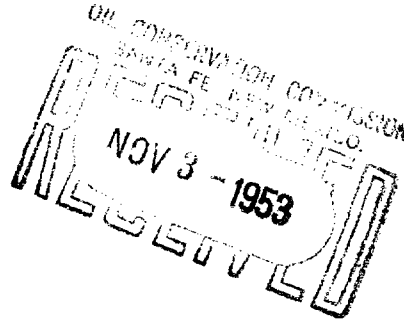
El Paso, Texas

October 29, 1953

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

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

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



Re: San Juan 28-5 Unit No. 14-08-001-949
Rio Arriba County, New Mexico
Request for Approval of
Initial Participating Area - Mesaverde Formation
To Be Effective Date of First Production

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement No. 14-08-001-949 approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Initial Participating Area for the Mesaverde Formation. On September 28, 1953, we sent out our Notice of Discovery. This well was completed on September 22, 1953 after the effective date of the unit agreement.

The Initial Participating Area contains 320 acres and is composed of one drilling block with one discovery well located thereon:

Township 28 North Range 5 West

<u>Well</u>	<u>Drilling Block</u>	<u>Acres</u>
San Juan 28-5#1	N/2 Section 29	320

This well is located in the NE/4 of this section. It was completed September 22, 1953 at a total depth of 5938'. On a three-hour open blow test this well gauged an IP of 2310 MCFGPD with SIPC of 903#. This well is not yet on production.

October 29, 1953

Attached hereto is our Schedule I legally describing the proposed participating area showing the percentage of unitized substances to be allocated to this unitized tract and also showing the exact breakdown of the percentages so allocated to this tract according to the various ownerships in said tract. We are also attaching a map, Exhibit "A", showing the location of this well and the outline of this Initial Participating Area.

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

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

Yours very truly,

EL PASO NATURAL GAS COMPANY

By R L Hamblin
R. L. Hamblin
Lease Department

RLH:rf
cc: Attached List
encls.

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

Mr. R. F. Rood
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. G. B. Jenkinson
Stanolind Oil and Gas Company
Box 591
Tulsa 2, Oklahoma

Mr. Frank Patania
117 E. Coronado
Santa Fe, New Mexico

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

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

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

SCHEDULE 1
INITIAL PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 8</u>					
SF 07521-A	T-28-N, R-5-W Sec. 29: N/2	320.00	Royalty Owner: United States of America; 12.50% Working Interest Owner: El Paso Natural Gas Co; 87.50% ORRI Owner: None; .00%	12.50% 87.50% 100.00%	<u>100.00000%</u> 12.50% 87.50000%
			TOTAL	100.00%	<u>100.00000%</u>

San Juan 28-5#1 Well

To Be
Effective Date of First Production

RECAPITULATION

Description of lands in Participating Area:
 Township 28 North, Range 5 West, N.M.P.M.
 Section 29: N/2

Total number of acres in Participating Area:	320.00
Percent of Working Interest and Royalty Interest committed:	100.00%

Approved: _____ 1953

Subject to like approval by the appropriate State Officials, effective Date of First Production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Approved: _____ 1953

Subject to like approval by the United States Geological Survey and Oil Conservation Commission of the State of New Mexico, effective Date of First Production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Approved: 3/2/53 1953

Subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico, effective Date of First Production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Director - United States Geological Survey

Commissioner of Public Lands of the State of New Mexico

R. E. Spencer
 Oil Conservation Commission of the State of New Mexico

505
MAIN OFFICE *El Paso Natural Gas Company*

1954 MAY 20 AM 8:30

TENTH FLOOR BASSETT TOWER

El Paso, Texas

14 May 1954

10/10/54

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

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

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

Re: San Juan 28-5 Unit
Revised Exhibit "B"

Gentlemen:

Enclosed please find copies of Exhibit "B" for the above noted Unit revised to 8 May 1954. You will note many changes which have been made due to a great deal of additional information having been obtained since distribution of the Exhibit "B" you now possess.

I have obtained Ratifications and Joinders of the Unit Operating Agreement from the Working Interest Owners that have been added to this Revised Exhibit "B". As soon as all procedures required to conform with the Unit Agreement have been accomplished, regarding ratification by a Working Interest Owner, these documents will be forwarded to your office.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By *Thomas E. Allin, Jr.*
Thomas E. Allin, Jr.
Lease Department

TEA, Jr/mas
cc: Attached List

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

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. W. H. Sparks
General American Oil Co.
1404 Republic Bank Building
Dallas, Texas

Mr. C. F. Bedford
Stanolind Oil & Gas Co.
Oil & Gas Building
Fort Worth, Texas

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

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

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

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

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

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

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

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mr. W. E. Alsup
1247 Shafter Street
San Mateo, California

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

Mrs. Evelyn Ellen Wallace,
Co-trustee for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

(Under 553)

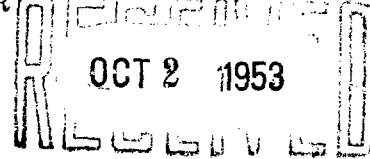
El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

September 28, 1953

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO



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

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

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

Re: San Juan 28-5 Unit Area
No. 14-08-001-949
Rio Arriba County, New Mexico
NOTICE OF DISCOVERY
Mesaverde Formation

Gentlemen:

Pursuant to Section 11, paragraph 2, of the above numbered unit agreement you are hereby informed of the discovery of unitized substances in paying quantities from the Mesaverde Formation on lands committed to said unit agreement. This unit agreement was approved on August 25, 1953.

There is one (1) committed well completed in the Mesaverde Formation upon acreage within the unit area of the above numbered unit agreement. This well is El Paso Natural Gas Company's San Juan 28-5 #1 Well located 1650' South of the North line and 1650' West of the East line of Section 29, Township 28 North, Range 5 West, N.M.P.M. This well was spudded on July 24, 1953, reached a total depth of 5938' and was completed on September 22, 1953. The pay section between 5308' and 5938' was shot with 1620 quarts of nitroglycerine. On September 24, 1953, the well was gauged at 2310 MCFCPD on a three-hour open blow test with an SIPC of 903# and an SIPT of 888#.

The drilling block upon which this well is located is the N/2 of Section 29, Township 28 North, Range 5 West, and consists of 320 acres. This

San Juan 28-5 Unit


-2-

September 28, 1953

drilling block is fully committed to the unit agreement and pursuant to the above mentioned Section 11 of the unit agreement it is determined by El Paso Natural Gas Company, Unit Operator, that this well is capable of producing unitized substances in paying quantities.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD:jaf

cc: Attached List

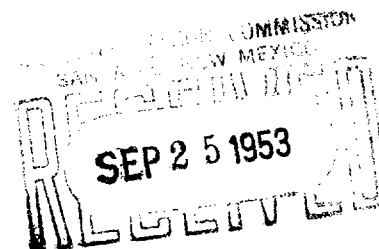
J. S. S. S.

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

September 22, 1953



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

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

Re: San Juan 28-5 Unit Agreement
No. 14-08-001-949

Gentlemen:

Enclosed, for your files, is a copy of the letter of transmittal
by which the Director of the United States Geological Survey sent us the
approved copies of the above numbered Unit Agreement.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

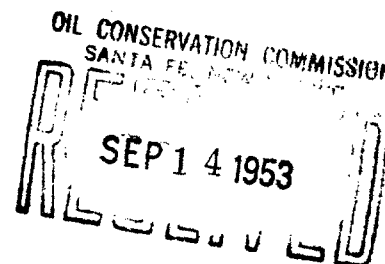
CSD:jaf
encl.
cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

September 10, 1953



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

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

Re: San Juan 28-5 Unit Agreement
No. 14-08-001-949

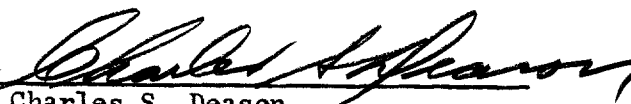
Gentlemen:

Enclosed, for your files, is a fully executed copy of the above numbered Unit Agreement and Unit Operating Agreement. This Agreement was approved by the United States Geological Survey on August 25, 1953. We intend to place these instruments of record in the County Clerk and Recorder's office, Rio Arriba County, New Mexico, at which time you will be furnished the recording data.

A fully executed copy of each of these instruments is being furnished the Working Interest Owners shown on the attached list.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD:jaf
cc: Attached List
encls. - 2

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

Mr. R. F. Rood
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. G. B. Jenkinson
Stanolind Oil and Gas Company
Box 591
Tulsa 2, Oklahoma

Mr. Frank Patania
117 E. Coronado
Santa Fe, New Mexico

Mr. Thomas F. Harrington
320 Korber Building
Albuquerque, New Mexico

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

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



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

IN REPLY REFER TO:

RETURN TO
LEASE DEPARTMENT

AUG 26 1953



El Paso Natural Gas Company
Bassett Tower
El Paso, Texas

Gentlemen:

On August 25, 1953, Acting Director of the Geological Survey, Arthur A. Baker, approved the San Juan 28-5 unit agreement, Rio Arriba County, New Mexico, filed by your company as unit operator. This agreement has been designated No. 14-03-001-949, and is effective as of the date of approval.

Enclosed are two copies of the approved unit agreement for your records. It is requested that you furnish all interested principals with whatever evidence of this approval is deemed appropriate.

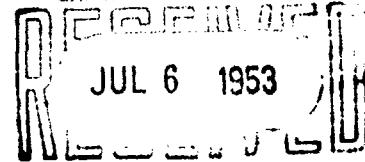
Although no interests in tracts 10 and 18 are committed to the unit agreement, approval was predicated on the premise that the unit operator has sufficient control in the drilling blocks involved to accomplish the normal drilling and producing performances at the proper time, even though it may be necessary to formulate communitization agreements in conformance with field spacing and allowable programs and to drill pursuant to approved exceptions to the spacing and allowable orders even on a reduced allowable basis, if necessary, in the event commitment of the land can not be secured. Since tract 10 is unleased Federal land, commitment thereof could be accomplished by requiring joinder to the unit agreement as a prerequisite to issuance of the lease. As to the tracts partially committed, that is, tracts in which the working interests are committed but the royalty or record interests are not, it will be incumbent upon the unit operator to preserve the leases by actual leasehold production in the event subsequent joinders of the outstanding interests can not be obtained during the primary terms of the leases involved.

Very truly yours,


For the Director

Enclosures 2

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO.



June 30, 1953

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

Attention: Mr. Foster Merrell

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

Gentlemen:

We are in receipt of your proposed San Juan 28-5 Unit Agreement. We have examined your plan and find that it is similar to Unit Agreements heretofore approved by this office.

I approve the application as to form but will withhold formal approval until after a hearing before the Oil Conservation Commission of which I am an ex-officio member. Should the testimony offered in support of the Unit warrant its approval and the Oil Commission so decides I will immediately thereafter issue a formal Certificate of Approval.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

cc: U. S. Geological Survey
Roswell, New Mexico (3)
Oil Conservation Commission
Santa Fe, New Mexico (1)

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

11 June 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

file

E. J. ...

Re: San Juan 28-5 Unit No. 14-08-001-949
Rio Arriba County, New Mexico
Noncommercial Well - Mesaverde Formation
Determined 27 April 1954

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-5 Unit Agreement, No. 14-08-001-949, approved 25 August 1953, El Paso Natural Gas Company as Unit Operator determined on 27 April 1954, that the following described well was not capable of producing unitized substances in paying quantities from the Mesaverde Formation.

This well is as follows:

El Paso Natural Gas Company's San Juan 28-5 #3 Well located 960' North of the South line and 1160' East of the West line of Section 26, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on 24 November 1953 and reached a total depth of 6058'. The pay section between 5548' and 6058' was shot with 1465 quarts of S.N.G. The well was tested on 27 March 1954 and after a three hour blow-down gauged an IP of 673 MCFGPD with an SIPC of 953# and an SIPT of 963#. The drilling block upon which this well is located is described as the S/2 of Section 26, Township 28 North, Range 5 West, N.M.P.M. and consists of 320 acres.

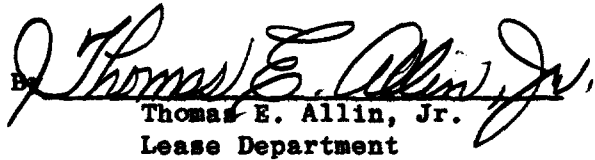
- 2 -

Inasmuch as this determination needs no official approval, no provision is made therefore, and in the absence of disapproval this well will continue to be considered noncommercial.

Copies of this letter are being sent to the Working Interest Owners as shown on the attached sheet.

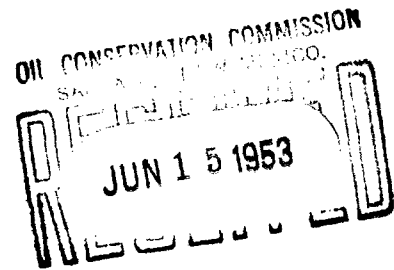
Yours very truly,

EL PASO NATURAL GAS COMPANY


Thomas E. Allin, Jr.
Lease Department

TEA,Jr/mas
cc: Attached List

FOSTER MORRELL
PETROLEUM CONSULTANT
NICKSON HOTEL BUILDING
ROSWELL, NEW MEXICO



June 11, 1953

Mr. R. R. Spurrier
Secretary-Director
Oil Conservation Commission of New Mexico
Santa Fe, New Mexico

Dear Mr. Spurrier:

Reference is made to my letter of June 6 enclosing applications of El Paso Natural Gas Company for approval of the San Juan 27-4, San Juan 28-4, San Juan 28-5 and San Juan 29-4 Unit Agreements, covering lands situated in Rio Arriba County, New Mexico.

Enclosed are three copies each of a map, Exhibit "A", for the San Juan 27-4 and San Juan 28-5 Units. These corrected maps have just been received and are being furnished to complete your files.

I wish to acknowledge receipt of and thank you for the copy of the Notice of Publication covering the special hearing to be held on June 30, 1953 to consider the applications for the four subject units under Cases 551 to 554 inclusive.

Very truly yours,

Foster Morrell
Foster Morrell

FM:bmsj

cc: Mr. R. L. Hamblin, El Paso Nat. Gas Co.

FOSTER MORRELL

PETROLEUM CONSULTANT
NICKSON HOTEL BUILDING
ROSWELL, NEW MEXICO

June 6, 1953

Mr. R. R. Spurrier,
Secretary - Director,
Oil Conservation Commission of New Mexico
Santa Fe, New Mexico.

Dear Mr. Spurrier:

Enclosed are Applications of El Paso Natural Gas Company, dated June 6, 1953, in triplicate, for approval of the San Juan 27-4, San Juan 28-4, San Juan 28-5 and San Juan 29-4 Unit Agreements covering lands situated in Rio Arriba County, New Mexico.

Also enclosed are copies of the proposed Unit Agreements and Exhibits thereto. In this connection we wish to advise that the Exhibits as submitted are subject to correction on receipt of information from some working interest owners as to the present status of their interests.

It is my understanding that your office has agreed to the hearing of these Applications on June 30, 1953, unless an earlier date is more convenient to you. If you will kindly confirm the date of hearing, we will greatly appreciate the courtesy.

Very truly yours,

COPY (Original Signed) Foster Morrell

Foster Morrell

Encl.

cc: R. L. Hamblin
El Paso Natural Gas Co.