

MAIN OFFICE OCC

In reply refer to:
Unit Division

1958 AUG 11 AM 8:38

August 3, 1958

C
O
P
Y

Hervy, Dow & Hinkle
Hinkle Building
Roswell, New Mexico

Re: Termination of South Chaco
Unit, San Juan County, New Mexico

Attention: Mr. Howard C. Bratton

Gentlemen:

We are enclosing two counterpart sets of termination instruments, eight copies of the first set and seven copies of the second set, and we are retaining one set of each. These instruments represent seventy five percentum (75%), on an acreage basis, of the working interest of the South Chaco Unit as provided for under Section twenty (20) of the Unit Agreement.

The Commissioner of Public Lands approved this termination as of August 7, 1958, subject to like approval by the United States Geological Survey.

Please transmit to us one fully executed copy as soon as this has been fully executed.

For your information please note that Mr. E. F. Brito's signature, for Skelly Oil Company, is not dated.

Very truly yours,
MURRAY E. MORGAN
Commissioner of Public Lands

BY:
Ted Bilberry, Supervisor
Oil and Gas Division

MEM/AMR/m

cc: USGS-Roswell
OCC-Santa Fe

In reply refer to:
Unit Division

March 13, 1958

Hervey, Dow & Hinkle
P. O. Box 547
Roswell, New Mexico

Re: South Chaco Unit Agreement

Attention: Mr. Clarence E. Hinkle

Dear Mr. Hinkle:

In reference to your letter dated March 11, 1958, requesting an extension of thirty (30) days within which to commence operations upon a fifth well in the South Chaco Unit area.

I approve Humble Oil and Refining Company's request for a thirty day extension from March 16, 1958 to April 16, 1958, in which to commence operations on a fifth well. This approval is being made subject to like approval by the United States Geological Survey.

Very truly yours,

MURRAY E. MORGAN,
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MMR/s
cc:

United States Geological Survey
Roswell, New Mexico

Oil Conservation Commission ✓
Santa Fe, New Mexico

FL
C
10-13
July 10, 1957

In reply refer to:
Unit Division

Humble Oil and Refining Co.
P. O. Box 1287
Roswell, New Mexico

Re: South Chaco Unit

Attention: Mr. James K. Wilson
Exploration Department

Gentlemen:

We have received copies of "Sundry Notices" on your Well No. 3, located in the NW/4 of the SE/4 of Section 23-22N-9W, however, the last report was dated May 13, 1957. May we please have a further report on this well.

We have received no report on a well in 22N-8W which, under the terms of the Unit, you were obligated to start by May 29, 1957. May we have an immediate report on your intentions concerning this well.

Very truly yours,

MURRAY E. MORGAN
Commissioner of Public Lands

By: Ted Bilberry, Supervisor
Oil and Gas Department

MEM:MMR/m

cc: OCC-Santa Fe
USGS-Roswell

MAIN OFFICE BCC

FOSTER MORRELL

PETROLEUM CONSULTANT

NICKSON HOTEL BUILDING

ROSWELL, NEW MEXICO

1953 AUG 7 PM 1:06

August 6, 1956

Mr. A. L. Porter
Secretary and Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: South Chaco Unit Agreement
San Juan County, New Mexico

Dear Mr. Porter:

On July 19, 1956, the Acting Commissioner of Indian Affairs and the Acting Director of the Geological Survey approved the South Chaco Unit Agreement embracing all of T. 22 N., Rs. 8 and 9 W., N.M.P.M., San Juan County, New Mexico. This agreement is designated by the Department of Interior as Contract No. 14-08-001-2958, and is effective as of the date of approval.

An executed counterpart of the approved Unit Agreement and Unit Operating Agreement for the South Chaco Unit Area is filed herewith for your records pursuant to Section 5 of the Commission's Order No. R-781, dated March 29, 1956, in Case No. 1033.

Great Western Drilling Company, P. O. Box 1659, Midland, Texas, is designated under these agreements as the Unit Operator.

Very truly yours,

Foster Morrell

FM/as

cc/ S. H. Snoddy
Great Western Drilling Co.
P. O. Box 1659
Midland, Texas

Joseph P. Donahue, Jr.
Three States Natural Gas Co.
17th Floor Corrigan Tower
Dallas 1, Texas

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

April 11, 1956

Mr. Foster Morrell
P.O. Box 933
Roswell, New Mexico

Dear Sir:

In behalf of your client, Great Western Drilling Company, we enclose two copies of Order R-781 issued March 29th by the Oil Conservation Commission in Case 1033, which was heard on March 14th. As requested by you, we are sending you one signed copy of the order for your use.

Very truly yours,

A. L. Porter, Jr.
Acting Secretary - Director

ALP:brp
Encls.

C
O
P
Y

MAIN OFFICE 000

RECEIVED : MAR 28 9:15

FOSTER MORRELL
PETROLEUM CONSULTANT
NICKSON HOTEL BUILDING
ROSWELL, NEW MEXICO

March 27, 1956

Case 1033
R-781

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

Re: South Chaco Unit
San Juan County, New Mexico

Dear Mr. Mankin:

In accordance with your request, I am forwarding herewith a draft of a proposed order approving the South Chaco Unit Agreement, San Juan County, New Mexico.

The application of Great Western Drilling Company for approval of this Unit Agreement was held by the Commission on March 14, 1956, under Case No. 1033.

I have dated this order as of some day in April, 1956, as I estimated that you would not be able to have it completed during the remainder of March. You will note that I have also made Section 7 of the order read that it shall become effective upon the approval of the Unit Agreement by the respective officials to conform with Section 20 of said agreement. I do not feel that the Indian Commissioner need be referred to in this order as the Director of the United States Geological Survey will not approve the agreement until after the Indian Commissioner has approved same.

I have also indicated A. L. Porter as Member and Secretary as Bill will no longer be with you after the first of the month.

I hope that this will be of assistance to you and, of course, if the order can be approved in March, there is certainly no objection on our part.

With best personal regards, I am

Very truly yours,

Foster Morrell
Foster Morrell

FM/nrd
Enclosures

cc: Mr. E. A. Jenkins
Three States Natural Gas Company

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF NEW
MEXICO FOR THE PURPOSE OF
CONSIDERING:

*Drafted by
J.M.*

CASE NO. 1033
Order No. R-

THE APPLICATION OF THE GREAT WESTERN
DRILLING COMPANY FOR THE APPROVAL
OF THE SOUTH CHACO UNIT AGREEMENT
EMBRACING 46,123.08 ACRES OF LAND
MORE OR LESS, LOCATED IN TOWNSHIP
22 NORTH, RANGES 8 AND 9 WEST,
NMPM, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on March 14, 1956, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this _____ day of April, 1956, the Commission, a quorum being present, having considered said application and the evidence introduced in support thereof and being fully advised in the premises,

FINDS:

1. That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
2. That the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREFORE ORDERED:

1. That this order shall be known as the

SOUTH CHACO UNIT AGREEMENT ORDER

2. (a) That the project herein referred to shall be known as the South Chaco Unit Agreement and shall hereafter be referred to as the "Project".

(b) That the plan by which the Project shall be operated shall be embraced in the form of a unit agreement for the development and operation of the South Chaco Unit Area referred to in the Petitioner's petition and filed with said petition, and such plan shall be known as the South Chaco Unit Agreement Plan.

3. That the South Chaco Unit Agreement Plan shall be, and hereby is, approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing in any manner any right, duties or obligations which are now or may hereafter, be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said South Chaco Unit Agreement, or relative to the production of oil or gas therefrom.

4. (a) That the Unit Area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

TOWNSHIP 22 NORTH, RANGE 8 WEST

Sections 1 through 36: All

TOWNSHIP 22 NORTH, RANGE 9 WEST

Sections 1 through 36: All

containing 46,123.08 acres more or less.

(b) The unit area may be enlarged or contracted as provided in said Plan.

5. That the Unit Operator shall file with the Commission an executed original or executed counterpart of the South Chaco Unit Agreement within 30 days after the effective date thereof.

6. That any party owning rights in the unitized substances who does not commit such rights to said unit agreement before the effective date thereof may thereafter become a party thereto by subscribing to such agreement or counterpart thereof, or by ratifying the same. The unit operator shall file with the Commission within 30 days an original or any such counterpart or ratification.

7. That this order shall become effective upon the approval of said agreement by the Commissioner of Public Lands of the State of New Mexico and the Director of the United States Geological Survey and shall terminate ipso facto upon the termination of said unit agreement. The last unit operator shall immediately notify the Commission in writing of such termination.

DONE at Santa Fe, New Mexico on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JOHN F. SIMMS, Chairman

E. S. WALKER, Member

A. L. PORTER, Member and Secretary

S E A L

FOSTER MORRELL

PETROLEUM CONSULTANT
NICKSON HOTEL BUILDING
ROSWELL, NEW MEXICO

February 20, 1956

CH-1033

Mr. W. B. Macey, Secretary
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: (South Chaco Unit
San Juan County, New Mexico

Dear Mr. Macey:

On February 18 I filed with you in behalf of Great Western Drilling Company the original and a copy of an application for approval of a unit agreement for the development and operation of the South Chaco Unit Area embracing all of T. 22 N., Rs. 8 and 9 W., N.M.P.M., San Juan County, New Mexico, and requesting that the Petition be set down for hearing on March 14, 1956.

Attached for your files is an additional copy of the above described application, all of which have been executed by me as Agent for Great Western Drilling Company.

Very truly yours,

Foster Morrell
Foster Morrell

FM/nrd
Enclosure

cc: Mr. R. C. Tucker, President
Great Western Drilling Company
Midland, Texas

CERTIFICATION -- DETERMINATION

Pursuant to the authority vested in the Secretary of Interior under the Allotted Mineral Leasing Act of March 3, 1909, 35 Stat. 783, 25 U. S. C. Sec. 396, and the Tribal Land Mineral Leasing Act of May 11, 1938, 52 Stat. 347, 25 U. S. C. Secs. 396a, et seq., as to certain restricted Allotted and Tribal Indian lands and delegated to the Commissioner of Indian Affairs by Departmental Order No. 2508 of January 11, 1949, 14 F. R. 258-260, and

Pursuant to the authority vested in the Secretary of Interior as to Federal lands, under the act approved February 25, 1920, 41 Stat. 437, 30 U. S. C. Secs. 181, et seq., as amended, and delegated to the Director of the Geological Survey pursuant to Departmental Order No. 2365 of October 8, 1947, 43 C. F. R. Sec. 4.611, 12 F. R. 6784, we do hereby:

A. Approve the attached agreement for the development and operation of the South Chaco Unit Area, County of San Juan, State of New Mexico, dated December 19, 1955.

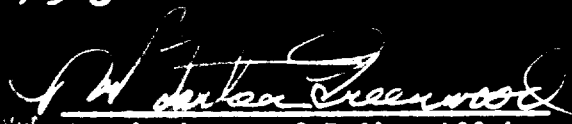
B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, and royalty requirements of all Indian leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

D. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

14-08-001-295 8

Dated JUL 19 1956


Acting Commissioner of Indian Affairs

Dated JUL 19 1956

Acting 

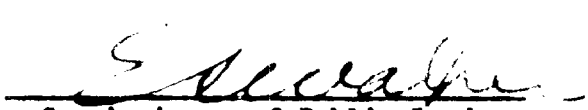
CERTIFICATE OF APPROVAL BY COMMISSIONER OF PUBLIC LANDS,
STATE OF NEW MEXICO, OF UNIT AGREEMENT FOR DEVELOPMENT
AND OPERATION OF SOUTH CHACO UNIT AREA, SAN JUAN
COUNTY, NEW MEXICO

There having been presented to the undersigned Commissioner of Public Lands in the State of New Mexico, for examination, the attached Agreement for the Development and Operation of the South Chaco Unit Area, San Juan County, New Mexico, in which Great Western Drilling Company is designated as Unit Operator and which has been executed by various parties owning and holding oil and gas leases embracing lands within the Unit Area, and upon examination of said agreement the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area;
- (b) That under the operations proposed the State will receive its fair share of the recoverable oil or gas in place under its lands in the area affected, if and when State lands may be included in the unit by enlargement of the unit area;
- (c) That the agreement is, in other respects, for the best interests of the State;
- (d) That the agreement provides for the unit operation of the area, for the allocation of production and the sharing of proceeds from a part of the area covered by the agreement on an acreage basis as specified in the agreement.

NOW, THEREFORE, by virtue of the authority conferred upon me by Chapter 88 of the Laws of the State of New Mexico, 1943, as amended by Chapter 162 of the Laws of the State of New Mexico, 1951, I, the undersigned Commissioner of Public Lands for the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said agreement and do hereby amend all leases embracing lands of the State of New Mexico committed to said unit agreement, to conform and extend said leases as provided in said agreement so that the provisions of each such lease, so far as they apply to lands within such area, will conform to the provisions of such agreement and so that the length of the secondary term as to lands within such area will be extended to coincide with the terms of such agreement. This approval is subject to all of the provisions of the aforesaid Chapter 88 of the Laws of the State of New Mexico, 1943, as amended by Chapter 162 of the Laws of the State of New Mexico, 1951.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this 15th day of March, 1956.


Commissioner of Public Lands
of the State of New Mexico



**BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:**

**CASE NO. 1033
Order No. 2-781**

**THE APPLICATION OF GREAT WESTERN
DRILLING COMPANY FOR APPROVAL OF
THE SOUTH CHACO UNIT AGREEMENT
EMBRACING 46,123.08 ACRES OF LAND,
MORE OR LESS, IN SAN JUAN COUNTY,
NEW MEXICO, WITHIN TOWNSHIP 23
NORTH, RANGES 8 AND 9 WEST, NMPM.**

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on the 14th day of March, 1956, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 29th day of March 1956, the Commission, a quorum being present, having considered said application and the evidence introduced in support thereof, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREFORE ORDERED:

Section 1. That this order shall be known as the

SOUTH CHACO UNIT AGREEMENT ORDER

Section 2. (a) That the project herein referred to shall be known as the South Chaco Unit Agreement, and shall hereafter be referred to as the "Project".

(b) That the plan by which the Project shall be operated shall be embraced in the form of a unit agreement for the development and operation of the South Chaco Unit Area referred to in the Petitioner's petition and filed with said petition, and such plan shall be known as the South Chaco Unit Agreement Plan.

Section 3. That the South Chaco Unit Agreement Plan shall be, and hereby is, approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing in any manner any right, duties or obligations which are now, or may hereafter, be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said South Chaco Unit Agreement, or relative to the production of oil or gas therefrom.

Section 4. (a) That the unit area shall be:

NEW MEXICO PRINCIPAL MERIDIAN, NEW MEXICO

TOWNSHIP 22 NORTH, RANGE 8 WEST
Sections 1 through 36: All

TOWNSHIP 22 NORTH, RANGE 9 WEST
Sections 1 through 36: All

Situated in San Juan County, New Mexico, containing 46,123.08 acres, more or less.

(b) The unit area may be enlarged or contracted as provided in said Plan.

Section 5. That the unit operator shall file with the Commission an executed original or executed counterpart of the South Chaco Unit Agreement within 30 days after the effective date thereof.

Section 6. That any party owning rights in the unitized substances who does not commit such rights to said unit agreement before the effective date thereof may thereafter become a party thereto by subscribing to such agreement or counterpart thereof, or by ratifying the same. The unit operator shall file with the Commission within 30 days an original of any such counterpart of ratification.

Section 7. That this order shall become effective upon approval of said unit agreement by the Commissioner of Public Lands of the State of New Mexico and the Director of the United States Geological Survey, and shall terminate ipso facto upon the termination of said unit agreement. The last unit operator shall immediately notify the Commission in writing of such termination.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John F. Simmes
JOHN F. SIMMES, Chairman

E. S. Walker
E. S. WALKER, Member

W. B. Macey
W. B. MACEY, Member and Secretary

S E A L

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

4317 Stanhope, Dallas, Texas

Same

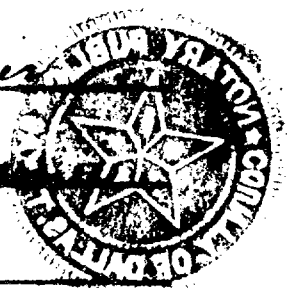
Date: February 22, 1956

Date:

SIGNATURE

A. S. Grenier
A. S. Grenier

Jane B. Grenier
Jane B. Grenier



STATE OF
COUNTY OF

SS.:

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

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

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

My Commission expires:

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

STATE OF *Texas*
COUNTY OF *Dallas*

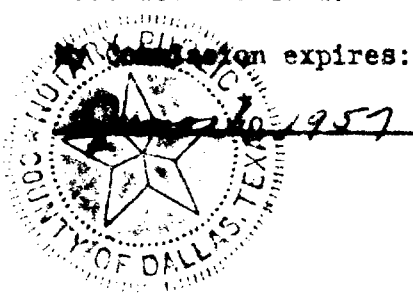
SS.:

On this 22nd day of February, 1956, before me appeared

A. J. Brenner and Jane B. Brenner
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:

Faye Gruffin
Notary Public in and for _____
Dallas County,
State of Texas



STATE OF
COUNTY OF

SS.:

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

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

My Commission expires:

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

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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 and successors in interest.

Tr. 1

ADDRESS

ARTEC, N.C.

SIGNATURE

[Signature]

Date: 2/21/56

ARTEC, N.C.

[Signature]

Date: 2/21/56

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 1st day of February, 1956, before me appeared

~~Martha A. Pierce~~ and Beverly Y. Pierce
~~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:

Max Ruse

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 South Chaco Unit Area located within the County of San Juan, 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

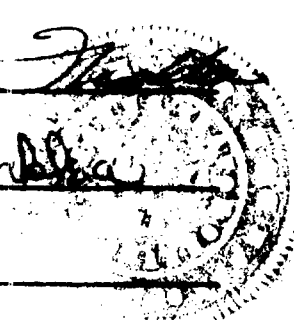
P.O. Box 226 or
402 South 13th Street

Muskogee, Oklahoma.

Date: February 17, 1956

Date: _____

SIGNATURE

Charles J. Smith
George J. Smith


STATE OF

COUNTY OF

On this _____ day of _____, 19____, before me appeared

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

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

My Commission expires _____

Notary Public in and for _____
County,
State of _____

STATE OF Oklahoma)

COUNTY OF Muskogee)

On this _____ day of February, 19____, before me appeared

Charles J. Finkelea and Jessie Finkelea
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 _____
Muskogee County,
State of Oklahoma

STATE OF

COUNTY OF

On this _____ day of _____, 19____, before me personally

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

My Commission expires: _____

Notary Public in and for _____
County,

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chace Unit Area located within the County of San Juan, 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

4230 Hastings Street

El Paso, Texas

Date: March 23, 1956


4230 Hastings Street

El Paso, Texas

Date: March 23, 1956

SIGNATURE

Virgil Rittmann
Anstelle Ritt



Virgil Rittmann
Virgil Rittmann, Ancillary Executor
of the Estate of C. F. Rittmann, Jr.,
deceased



STATE OF TEXAS

COUNTY OF EL PASO

SS.:

On this 23rd day of March, 1956, before me appeared

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

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

STATE OF TEXAS

COUNTY OF EL PASO

SS.:

On this 23rd day of March, 1956, before me appeared

VIRGIL RITTMANN and ANSTELCE RITTMANN
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 _____
El Paso County,
State of Texas

LOUISE M. GREGG

Notary Public, in and for El Paso County, Texas
My Commission Expires June 1, 1957

STATE OF TEXAS

COUNTY OF EL PASO

SS.:

On this 23rd day of March, 1956, before me personally appeared _____ of the Estate of J. F. Rittmann, Jr., deceased appeared VIRGIL RITTMANN, Ancillary Executor /, 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:

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

LOUISE M. GREGG

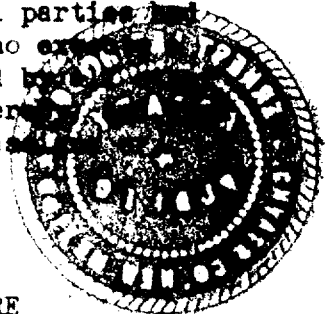
Notary Public, in and for El Paso County, Texas
My Commission Expires June 1, 1957



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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 heretby 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 parties owning or claiming an interest in the lands affected hereby, and so executed shall be binding upon the undersigned, his or her assigns and successors in interest.



Tr. 2, 19

ADDRESS

SIGNATURE

P. O. Box 933

Roswell, New Mexico

Date: March 28, 1956

Date: _____

Foster Marshall

Elena E. Marshall

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 1956, 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 :

NOTARIAL PUBLIC
On this 28th day of March, 1956, before me appeared

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 _____

MAR 16 1957

Robert Lee Hodges

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

STATE OF _____)
COUNTY OF _____) SS :

On this _____ day of _____, 1956, 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 South Chaco Unit Area located within the County of San Juan, 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

ADDRESS

SIGNATURE

1010 Spantaguna

Frank A. Mather

Norman Oklahoma

Charles A. Mather

Date. Feb. 20, 1956

Date: _____

STATE OF
COUNTY OF

SS.:

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

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

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

STATE OF Oklahoma)
COUNTY OF Cleveland)

SS.:

On this 20th day of February, 1956, before me appeared

Frank A. Melton and Clarice A. Melton
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:

Eva J. Parsons
Notary Public in and for _____
Cleveland County,
State of Oklahoma

STATE OF)
COUNTY OF)

SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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

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

ADDRESS

Tr. 4

SIGNATURE

1700 Corrigan Tower

Dallas 1, Texas

Date: Jan. 10, 1956

Elizabeth W. Gordon

Joseph C. Gordon

Joseph C. Gordon

Date: _____

STATE OF)
)
COUNTY OF) SS.:

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

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

My Commission expires:

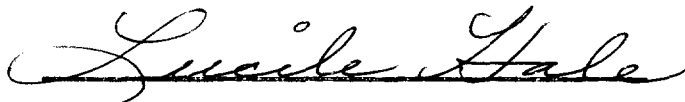
Notary Public in and for _____
County,
State of _____

STATE OF **TEXAS**)
)
COUNTY OF **DALLAS**) SS.:

On this 10th day of January, 1956, before me appeared Joseph E. Gordon and Elizabeth W. Gordon 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
Notary Public in Dallas County, Texas
My Commission Expires June 1, 1957



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

STATE OF)
)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me personally appeared _____, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as _____ free act and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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. 5

ADDRESS

SIGNATURE

6206 De Loache Ave

Nancy Harman

Dallas 25, Texas

Date: Jan. 10, 1956

Date: _____

STATE OF)
)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF)
)
COUNTY OF) SS.:

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF Texas)
)
COUNTY OF Dallas) SS.:

On this 10 day of January, 1956, before me personally appeared Nancy Harman, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that she executed the same as her free act and deed.

My Commission expires:

LEOLA CUNDIFF
Notary Public, Dallas County, Texas
My Commission Expires June 1, 1957

Leola Cundiff
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 South Chaco Unit Area located within the County of San Juan, 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. 5

ADDRESS

SIGNATURE

Box 216, Farmington, N.M.

Francis M. Thompson



Date: *2-6-50*

Date: _____

STATE OF)
)
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 6th day of February, 1956 before me appeared

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

My Commission expires:

Dec. 15, 1957

H. C. Buentor

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 South Chaco Unit Area located within the County of San Juan, 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. 6

ADDRESS

SIGNATURE

Box 217

COLUMBINGTON, N.M.

Date: *FEB. 15, 1956*

None

Date: _____

Greg English



Frances B. English

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 1st day of March, 1956, before me appeared

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

My Commission expires:

September 15, 1957.

Louise A. De Weed

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 South Chaco Unit Area located within the County of San Juan, 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. 6, 9

ADDRESS

SIGNATURE

504 S. Pefferson
Laufman, Texas

George H. Smith

Date: Jan. 13, 1956

Date: _____

STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF)
) SS.:
COUNTY OF)

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF Texas)
COUNTY OF Dallas) SS.:

On this 12th day of January, 1956, before me personally appeared George H. Smith, 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:

LEOLA CUNDIFF
Notary Public, Dallas County, Texas
My Commission Expires June 1, 1957

Leola Cundiff
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 South Chaco Unit Area located within the County of San Juan, 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. 7

ADDRESS

SIGNATURE

4712 Abbott, Apt 14
Dallas, Texas

Mary E. Littleberg

Date: January 10, 1956

Date: _____

STATE OF)
)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF)
)
COUNTY OF) SS.:

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF Texas)
COUNTY OF Dallas) SS.:

On this 10 day of January, 1956, before me personally appeared Mary E. Wetenkamp, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that she executed the same as her free act and deed.

My Commission expires:

LEOLA CUNDIFF
Notary Public, Dallas County, Texas
My Commission Expires Jan. 1, 1957

Leola Cundiff
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 South Chaco Unit Area located within the County of San Juan, 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. 8

ADDRESS

SIGNATURE

3719 Euclid



Dallas Texas

Mrs. E. L. Carpenter

Date: January 11-1956

Date: _____

STATE OF)
)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF *Texas*)
)
COUNTY OF *Dallas*) SS.:

On this *11th* day of *January*, 195*6*, before me appeared *W. L. Cooper* and *Esther V. Cooper* 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 Dallas County, Texas
My Comm. Expires June 1, 1957

Leola Cundiff

Notary Public in and for *Dallas* County,
State of *Texas*

STATE OF)
)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me personally appeared _____, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as _____ free act and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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. 8, 39, 37

ADDRESS

SIGNATURE


P.O. Box 1167

Colorado Springs, Colorado

Date: February 13, 1956

Date: _____

George B. Hearn
George B. Hearn



STATE OF)
)
COUNTY OF) SS.:

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

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

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

On this 13th day of February, 1954, before me appeared

George W. Krause and Kathryn B. Krause
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:

Commission expires Nov. 15, 1959

Mary L. Linder
Notary Public in and for _____
County,
State of Colorado

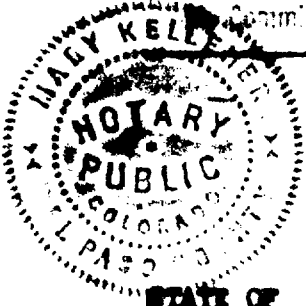
STATE OF)
)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

SIGNATURE

La Jonda Hotel
Santa Fe, N. M.

George Russell Wilson
Elizabeth Brown Wilson

Date: Jan. 19, 1956

Date: _____

STATE OF)
COUNTY OF) SS.:

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

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

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

On this 19th day of January, 1956 before me appeared

GEORGE RUSSELL WILSON and ELIZABETH BROWN WILSON
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:

9-18-59

Margaret S. Sebastian
Margaret S. Sebastian
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 South Chaco Unit Area located within the County of San Juan, 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.

Trus. 10A, 11

ADDRESS

1010 N. Dustin, Farmington, New Mex.

SIGNATURE

[Handwritten signature]
[Handwritten signature]


Date: April 30, 1956

Date: _____

STATE OF)
COUNTY OF) SS.:

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

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

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

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

On this 30th day of April, 19556, 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:

Alice Bolack
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 South Chaco Unit Area located within the County of San Juan, 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.

TRACT NO. 11

ADDRESS

P. O. Box 1316, Oil Center Sta.
Lafayette, Louisiana

P. O. Box 1316, Oil Center Sta.
Lafayette, Louisiana

Date: March 21, 1956

Date: _____

SIGNATURE


Claude A. Teal


Mary Nell Teal

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 LOUISIANA)
) SS.:
COUNTY OF)
PARISH LAFAYETTE

On this 23 day of March, 1956, before me appeared Claude A. Teel and Mary Nell Teel 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:

H. Reath

Harvey J. Finkenduff
Notary Public in and for _____
Lafayette Parish County,
State of Louisiana

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 South Chaco Unit Area located within the County of San Juan, 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 and successors in interest.

Tr. 12, 18

ADDRESS

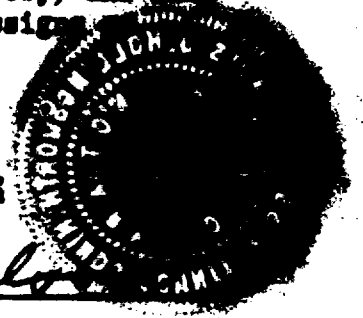
SIGNATURE

143 Ellis ave.

Jackson, Miss.

Date: Feb. 21, 1956

J. W. Wilson
Willie Mae Wilson (Wife)



Date: _____

STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

STATE OF MISSISSIPPI)
) SS.:
COUNTY OF HINDS)

On this 21st. day of February, 1956, before me appeared

Mr. W. Wilson and Willie Mae Wilson
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 April 21, 1958

Gladys J. Hollingsworth
Notary Public in and for _____
Hinds County,
State of Mississippi

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 South Chaco Unit Area located within the County of San Juan, 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, 18

ADDRESS

SIGNATURE

2607 W. Lincoln Ave.
Keller, Texas

Mr. Lee Byrd

Date: 2/12/56

2607 W. Lincoln Ave.
Keller, Texas

Robert Harlan

Date: 2/13/56

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 Ill.)
)
COUNTY OF Hall) SS.:

On this 13th day of February, 1956, before me appeared

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

My Commission expires:

June 1, 1957


Reta Finch
Notary Public in and for Hall
County,
State of Ill.

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

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Tr. 13, 15

ADDRESS

SIGNATURE

1211 W. 45th, Apt. 1-E

Gloria E. Weiler

Kansas City, Missouri

Date: Feb. 7, 1986

Date: _____



STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

STATE OF)
) SS.:
COUNTY OF)

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

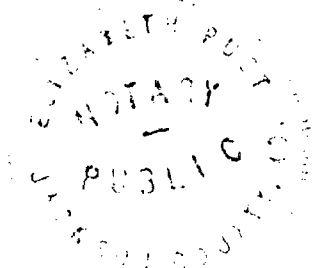
STATE OF Missouri)
) SS.:
COUNTY OF Jackson)

On this 7th day of February, 1956, before me personally appeared Alvin C. Meike, 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:
MY COMMISSION EXPIRES
JULY 10, 1957

Elizabeth Rust

Notary Public in and for Jackson County,
State of Missouri



RATIFICATION AND JOINDER OF UNIT AGREEMENT

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

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Tr. 13

ADDRESS


SIGNATURE

1110 Tower Pet. Bldg.

Dallas 1, Texas

Date: 4-17-56

John R. Bullock



2112 Tower Pet. Bldg.

Dallas 1, Texas

Date: 4-17-56

Ray E. Lunsford

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 DALLAS)

On this 17 day of April, 1956, before me appeared Perry E. Lunsford and Jean Bulow Lunsford 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:

Virginia Sanchez
Notary Public in and for _____
Dallas 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 South Chaco Unit Area located within the County of San Juan, 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. 14

ADDRESS

SIGNATURE

921 Pimms Blvd., Albuquerque, N.M. *San J. Brunner*

Wm M Brunner

Date: *Feb 6, 1956*

Date: _____

STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

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

✓ On this 6th day of February, 1956, before me appeared

Dan T. Brennan and Vera M. Brennan

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:

2-2-57

Roberta F. Blake
Notary Public in and for _____
Bernalillo
State of New Mexico

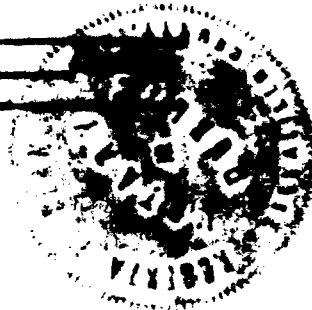
STATE OF)
) SS.:
COUNTY OF)

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 South Chaco Unit Area located within the County of San Juan, 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 or may be defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever is required under prior agreements) oil and gas duly made at contract rates to the production allocated under said Unit Agreement to the parties to which such rights or interests do or shall apply, regardless of any 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. 15

ADDRESS

4026 North Kansas Street
El Paso, Texas

Date: _____



Assistant Cashier

Date: March 2, 1956

Address: P. O. Box 2050
Fort Worth, Texas

SIGNATURE



HELEN M. KOLLIKER
(Formerly Helen Magruder
widow of Roy S. Magruder)


WILLIAM A. KOLLIKER

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

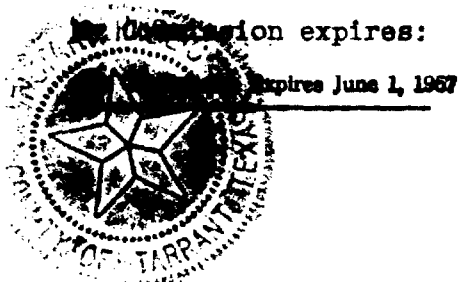
By 
O. D. McCauley, Trust Officer

STATE OF TEXAS)
COUNTY OF TARRANT) SS.:

On this 2nd day of March, 1956, before me appeared

O. D. McCaulley, to me personally known, who, being by me duly sworn, did say that he is the President Trust Officer of The Fort Worth National Bank, 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 The Fort Worth National Bank 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.



Ruth Ragon Mayo
Notary Public in and for Tarrant County,
State of Texas

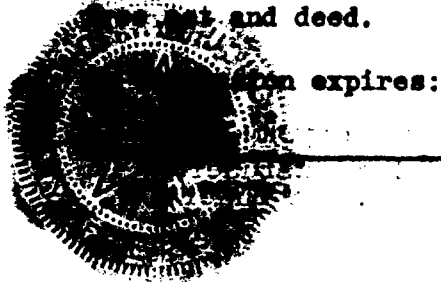
RUTH RAGON MAYO
Notary Public, Tarrant County, Texas

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

On this 6th day of March, 1956, before me appeared

William A. Kolliker and Helen M. Kolliker

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.



Ruth Ragon Mayo
Notary Public in and for El Paso County,
State of Texas

STATE OF)
COUNTY OF) SS.:

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

appeared _____, a single person, 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 South Chaco Unit Area located within the County of San Juan, 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. 15

ADDRESS

SIGNATURE

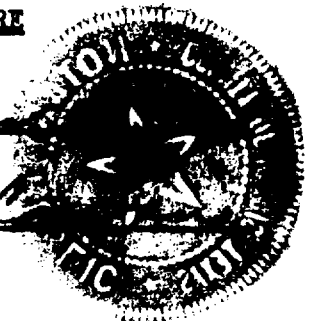
3761 Olympia Dr.

Houston 19, Texas

Date: Feb 17, 1956

J. L. Brown

Morene



Date: _____

STATE OF _____)
COUNTY OF _____) SS.:

On this _____ day of _____, 19____, before me appeared

_____ to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said 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 29th day of Feb, 1956, before me appeared

_____ and MORRIS LOWAN
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 Harris County, Texas
My Commission Expires _____

James J. Ludden
Notary Public in and for HARRIS 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 South Chaco Unit Area located within the County of San Juan, 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

SIGNATURE

2309 Alice Stetson

Madge Jones

Dallas, Texas

Date: Jan 10, 1956

Date: _____

STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

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

STATE OF Texas)
) SS.:
COUNTY OF Dallas)

On this 10 day of January, 1956, before me personally
appeared Madge Jones, a single person, to me known
to be the person described in and who executed the foregoing instrument, and
acknowledged to me that she he executed the same as her free act and
deed.

My Commission expires:

LEOLA CUNDIFF
Notary Public in and for the State of Texas
My Commission Expires _____

Leola Cundiff
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 South Chaco Unit Area located within the County of San Juan, 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

SIGNATURE

2106 Fairfield Ave.

Shreveport, La.

FEB 9, 1956

Richard N. Ernest

Grace Idemmer Ernest

Date: _____

STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

STATE OF LOUISIANA)
PARISH) SS.:
COUNTY OF CADDO)

On this 9th day of February, 1956, before me appeared

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

My Commission expires:

at death

Bruce W. Guin
Notary Public in and for _____
Caddo Parish
State of Louisiana



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 South Chaco Unit Area located within the County of San Juan, 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

ADDRESS

1533 El Campo Dr.

1533 El Campo Dr.

Date: 2/27/56

Date: _____

SIGNATURE

C. M. New

Jane M. New



STATE OF)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

STATE OF Texas)
COUNTY OF Dallas) SS.:

On this 27th day of February, 1956, before me appeared L. M. Johnson and Jane M. Johnson his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

June 1, 1957

Margaret Ann Young
Notary Public, Dallas County, Texas
My Commission Expires June 1 1957

Margaret Ann Young
Notary Public in and for _____ County,
Dallas 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 South Chaco Unit Area located within the County of San Juan, 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.

ROBERT J. BALDWIN, Notary Public
in and for the County of Los Angeles, State of California
My Commission Expires August 2, 1958
1609 Elm Avenue, Torrance, California

Tr. 17

ADDRESS

SIGNATURE

Temp 3812 W 25th Ave
Denver, Colo.

Date:

3/1/56

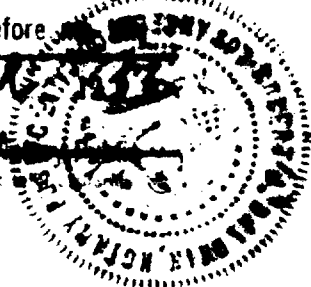
Emile C. Sique

Subscribed and sworn to before

1st day of March 1956

Robert J. Baldwin

In and for the County of Los Angeles, State of California



Date:

STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

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



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 South Chaco Unit Area located within the County of San Juan, 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.

Mar. 19

ADDRESS


SIGNATURE

124 ANITA CIRCLE

EL PASO, TEXAS

Date: 3-22-1956

R. H. Miller



124 ANITA CIRCLE

EL PASO, TEXAS

Date: 3 22-1956

Anna Paul Miller

STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

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

On this 22nd day of March, 1956, before me appeared

R. H. MILLER and ANNA PAUL 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:



Louise M. Cress
Notary Public in and for _____
El Paso County,
State of Texas

LOUISE M. CRESS

Notary Public, in and for El Paso County, Texas
My Commission Expires June 1, 1957

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 South Chaco Unit Area located within the County of San Juan, 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

3505 Mackland Avenue, NE,

Albuquerque, New Mexico

Date: 3-31-56.

Date: _____

SIGNATURE

J. H. Bryan
Jo Claire Bryan

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 BERNALILLO)

On this 31st day of March, 1956, before me appeared

F. R. Bryan and Jo Claire Bryan
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
last act and deed.

My Commission expires:

1959.

J. L. Landon
Notary Public in and for _____
Bernalillo 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 South Chaco Unit Area located within the County of San Juan, 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 so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 22

ADDRESS

302 E. Palace ave

Santa Fe, N. M.

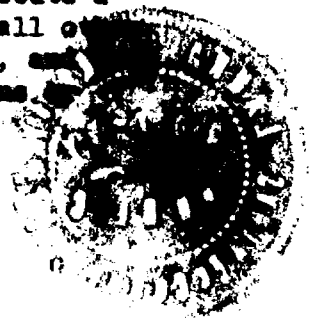
Date: 1-16-56

Date: _____

SIGNATURE

James P. McKenna

Jane E. McKenna



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 *N. Mexico*
COUNTY OF *Santa Fe*

SS.:

On this 19 day of January, 1956, before me appeared

James P. McKenna and *Jane E. McKenna*
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 July 23, 1953

Louise M. Hiesley

Notary Public in and for Santa Fe County,
State of N. 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 South Chaco Unit Area located within the County of San Juan, 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. 22, 26

ADDRESS

SIGNATURE

P.O. Box 554
Santa Fe, N.M.

Edward M. Digneo

Date: December 5, 1955

Date: _____

STATE OF NEW MEXICO)
COUNTY OF SANTA FE) ss

On this 15th day of December 1955, before me personally appeared Edward M. Digneo, 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 this day and year in this certificate above written.

Thomas Henry
Notary Public

My commission expires:

3-5-1959

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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. 22, 41, 45

ADDRESS

P. O. BOX 993.

SANTA FE, NEW MEXICO

Date: DECEMBER 5, 1955

SIGNATURE

Charles B. Gonzales

Betty Gonzales

Date: _____

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

On this the 5th day of December 1955, before me personally appeared Charles B. Gonzales and Betty Gonzales, his wife to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

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

H. H. Correll
Notary Public

My Comm. Exp. Expires: Sept. 23, 1959

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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.

TRACT NO. 23

ADDRESS

1018 Idlewilde Lane, S.E.

Albuquerque, New Mexico

Date: March 21, 1956

SIGNATURE

Carrol T. Payne
Carrol T. Payne

Edith H. Payne
Edith H. Payne

Date: _____

STATE OF)
COUNTY OF) SS.:

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

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

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

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

On this 21st day of March, 1956, before me appeared

Carol T. Payne and Edith H. Payne
to me known to be the persons described in and who executed the
instrument, and acknowledged to me they executed the same as their
free act and deed.

My Commission expires:

My commission expires Sept. 27, 1959.

Edith H. Payne

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 South Chaco Unit Area located within the County of San Juan, 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. 24, 26

ADDRESS

SIGNATURE

1714 W. Third

Marion V. [Signature]

Roswell, N. M.

Date: _____

[Signature]

Date: _____

STATE OF)
)
COUNTY OF) SS.:

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

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

On this 3rd day of April, 1956, before me appeared

L. C. Harris and Marion V. Harris
to me known to be the persons described in and who executed the _____ instrument, and acknowledged to me they executed the same as their _____ and deed.

My Commission expires:



Luz Wilson (Davis)
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 _____

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 2nd day of March, 1956
personally appeared Contract I-149-Ind-7603

Jim Beyale or Tah-chee-nee-nez-bega, C#11926, Heir of Al.#107
and 116

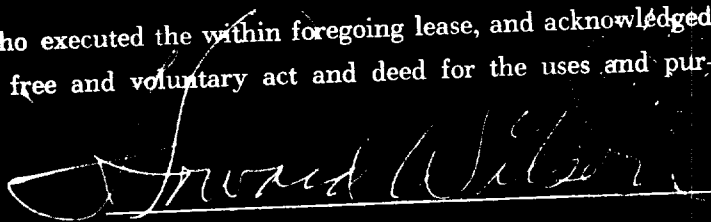
Mrs. Jim Beyale

Neska-la-us also known as Nahti or Antencio Trujillo or
Antonio Trujillo C#12297 as Original Allottee of Al.#109 and
as Heir of #107 and 116

Mrs. Antencio Trujillo also known as Hoska ye-e-teal, C#12069
as Heir to Allot #107 and 116

Mrs. Julian Trujillo

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.



My Commission expires ~~My Commission~~ expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

21

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

Star Lake
Cuba N. Mex
3-2-56
Date: _____

[Signature]
[Signature]
[Signature]

Star Lake
Cuba N. Mex
3-2-56
Date: _____

[Signature]
[Signature]
[Signature]

State of New Mexico

County of McKinley

ss.

Before me, a Notary Public, on this 14th day of April, 1956
personally appeared

Nellie Griffith, Heir Al. #126
Earl Griffith

8094

Ta Be mah or Glin han nes Bah, Al. #178,
Heir 105 & 106

8099

Nah-glin-nap-pah or Esthon-de-bidy or Glin han nish bah
or Mrs. Walter Herrera, Heir Al. #126

8094

Seehe or Shorty Trujillo, Al. #113 and Heir of Al. #107 & 116
Mrs. Shorty Trujillo or Betty C#9780

7603

Mrs. Tom Lanel, Wife of Tom Lanel, Heir Al. #133, 137,
135 and 136

7603
8095

Lee Smith, Heir of Al. #100

8099

to me known to be the identical person(s) who executed the within foregoing lease, and
to me that they executed the same as their free and voluntary act and deed for the
poses therein set forth.

Howard Wilson



My Commission expires Sept. ~~My~~ Commission expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Gaseo Unit Area located within the County of San Juan, 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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See mark

ADDRESS

SIGNATURE

Naguzie D. Mey

Mrs. Tom Lenz 7603
Husband Hein 7133-137 8095

Date: 4-16-56

Date: _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

Farmington, N. Mex.

Lee Smith 8099
Heir of 100

Date: 4-16-56

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this _____
personally appeared

5 day of March, 1956

Ge-non-es-pah Cayadito C#9647, Heir of Allot #92 or Al.#128 and
129 or Mrs. Joe Julian or Mrs. Smiley Norberto
Contract #I-149-Ind-8096
Contract #I-149-Ind-7603

Joe Julian, husband also Heir 107 and 116, original Al.#115
Contract #I-149-Ind-7603

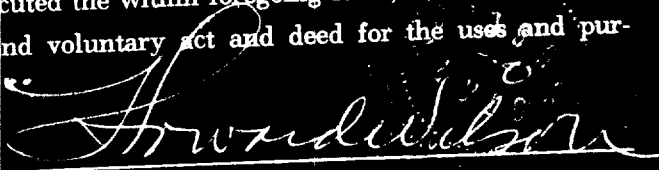
Marvin Denison or Marvin Denetso C#9704, Heir of Al.#126
Contract #I-149-Ind-8094

Mrs. Marvin Dennison or Mrs. Denetso

Ilth-hah-pah or Alice Denetso Thomas or Mrs. Leo Tomas C#9705,
Heir of Al.#126

Mr. Leo Tomas
Contract #I-149-Ind-8094

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.



My Commission expires ~~My~~ ¹⁹⁵⁴ Commission expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

20

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

Pueblo Alto
Crownpoint Dmo
Date: 3-5-56

Her Mark
De-Honessah Coyasito or
ms Joe Jackson or ms Smiley Roberts
Joe Jackson 8098
Adelta Mae Jackson
8096
7603

Pueblo Alto
Crownpoint Dmo
Date: 3-5-56

Martin Pennington 8094
Mr Martin Pennington
Ms Martin Pennington or
Mr Leo Jones
Her Mark
Mr Mark

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 27 day of Jan, 1956
personally appeared

Contract I-149-Ind-8094

Samuel Sandoval, Heir of Julian Sandoval, Heir of Al. #126.

Contract I-149-Ind-8099

Kenneth Smith, Heir of Al. #100

Richard Smith, Heir of Al. #100

Wilbert Smith, Heir of Al. #100

Contract I-149-Ind-7603

Alfred Nelson or Hoska-ye-ge-nee-wood, C#12287 as Heir to Al. #107,
and 116.

Contract I-149-Ind-8098

Bah Rico or Boah or Bah Sonnie, Heir of Al. #94, 95, 96 and 97.

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

Howard Wilson

My Commission expires ~~My Commission~~ expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

San Rm. Farmington

H.M.

Samuel Anderson

Kirtland N. Mex

Samuel Smith

Date: Jan. 27-56

Richard Smith

Farmington New Mex

Robert Smith

Chaco New Mex

Robert Nelson

Date: Jan. 27-56

Bob Rice

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 19 day of Jan, 1956
personally appeared

Contract I-149-Ind-8095

Contract I-149-Ind-7603

Mrs. Lanel or Sun-sue or Mrs. Daniel, Al#134, C#12188 and Heir to Al.#135, 133 and 137

Frank Valino Husband of Deceased Ah-ch-nee-pah or Mrs. Trinquilino or Mrs. Sarah L. Valino, C#12193, Heir to Al.#135, 133 and Al.#137.

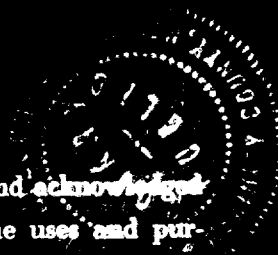
Mrs. Levi Norberto, Wife of Levi Norberto or Es-ske-cle (Al#93), Heir of Al#22 on Contract I-149-Ind-8096

Contract I-149-Ind-8096

Contract I-149-Ind-7603

George Tsosie or Mitchell Tsosie, C#10009, Heir to Al.#94, 95 and 96

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.


Howard Wilson

My Commission expires Sept. 1, 1957. September 1, 1958.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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

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

<u>ADDRESS</u>	<u>SIGNATURE</u>
<u>Nezpozzi, N. Mex.</u>	<u>8095 7603 Mrs. Lane</u> <i>Her mark</i>
<u>Crownpoint, N. Mex.</u>	<u>8095 7603 Frank Valenzuela</u> <i>His mark</i>
Date: <u>1-19-56</u>	<u>8095 7603 George Esau</u> <i>mark</i>

Crownpoint, New Mex. 7603 8096 Mrs. Levi Norberto

Date: 1-19-56



Howard H. Franklin

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 17 day of Jan, 1956
personally appeared

Contract I-149-Ind-7603

Zuna or Jake Julian C#12265 also known as Censue #12410 as
Heir to Allot #107 and 116

Seehee or Shorty Trujillo as Original Al.#113 and heir to
Al.#107 and 116

Mrs. Martin or Da-ta-nah Al.#641, Widow, Heir to Al.#103 and 104
on Contract I-149-Ind-8097

Mrs. Hosteen Beyale or Glee-nee-mun-pah also known as Emma
Trujillo, C#12286 and Heir to Al.#107 and 116

Tom Lanel or Choia or Nah-ti-ye-1-yah or Daniel Tom or Tom
Lionel, Heir of Al.#133 and 137 and also known as Nah-ti-te-ya or
Daniel Tom C#12292 and Heir of Al.#135 and 136 on Contract I-149-
Ind-8095. Al.#136 is for self

Evans Juliante or Evans Julianito C#12224, Heir to Al.#197,
114 and 116

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

My Commission expires September 1, 1956



State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 14 day of Jan, 1956
personally appeared

Contract I-149-Ind-7603

Fred Willie or Eska-yazza also known as Huska-tahl-a-wot C#10336,
Heir of Al.#107 and 116

Alfred Marion or Alfred Yazza or Hoska-tahl-wot or Alfred Yazza
Marion C#10344 as Heir to Al.#107 and 116.

Bessie Norberto or Da-yazzie or Day-yazzie Norberto or Mrs. Dick
Beyale C#12097, Heir to Al.#128 and 129, also Heir of Al.#92, on
Contract I-149-Ind-8096.

Mrs. Manuel Padilla or Yons-pah or Mus-na-edway C#12220 as Heir
to Al.#107 and 116.

Mrs. Tom Augustine or Tadespah C#12088, Heir to Al.#128 and 129
and Al.#92 on Contract I-149-Ind-8096.

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

Howard Wilson

My Commission expires ~~September 1, 1954~~ September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

4

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

Crownpoint h. mex

7603 Fred Willie

Farmington h. mex

Mrs. John Gazzo

Crownpoint h. mex

Date: 1-14-56

7603

Alfred Marion

Bogazie h. mex

7603
8016

Bessie Roberts

Crownpoint h. mex

7603

Mrs. Manuel Padilla

Date: 1-14-56

7603

Mrs. Tom Augustino

Before me, a Notary Public,
personally appeared

Benjamin or Leonard, 6612095, heir of Allet.#92
and for self Allet.#92

Contract I-119-Ind-8096

Contract I-119-Ind-7603

William Norberto 6612095, heir of Al.#92

Mrs. William Norberto or William Norberto

Contract I-119-Ind-8096

Contract I-119-Ind-7603

Atencio Rafael or Atencio, 6612327, heir of Al.#107, 114 and 116.

Mrs. Mary Atencio or Mrs. Atencio Rafael

Contract I-119-Ind-7603


Mrs. John Norberto, heir of John Norberto or Nah tah Al.#132 and
heir of Al.#92

Mary Rose Norberto or Mrs. Chaslay Joe, heir of John Norberto or
Nah tah Al.#132 and heir of Al.#92

Nase Norberto, heir of John Norberto or Nah tah Al.#132 and
heir of Al.#92

Contract I-119-Ind-8096

to me known to be the identical persons(c) who executed the within foregoing deeds and acknowledged
to me that they executed the same as their free and voluntary act and deed for the purposes pur-
posed therein set forth.


Howard Wilson

My Commission expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

12

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

Crownpoint N. Mex

Luis Norberto

8096
7603

Kimbetoh

Willie Norberto

8096
7603

Date: 2-3-56

Marian Norberto

Star Lake

Rafael Atencio
Mrs. Mary Atencio

-7602

Cuba New Mex.

Date: 2-3-56

Michael Norberto

8096

Howard Wilson

Mary Rose Norberto
or Mrs. Anthony Joe

Rose Norberto

1 line
mark

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 9 day of Jan, 1956
personally appeared

Contract I-149-Ind-7603

Contract I-149-Ind-8096

E-yazza, also known as Joe Norberto, C#12106, Heir to Al.#128 and 129, also to Al.#92.

Mrs. Joe Norberto

Contract I-149-Ind-8096

Contract I-149-Ind-7603

Horn Augustine or Che-ley Norberto (Al.#131), C#11909, Heir of Al.#92, and Al.#128 and 129, Also known as Mrs. Hosteen Pah, Widowed

Contract I-149-Ind-6099

Pah Shay or Mrs. Joe Yazzie, Heir of Al. #105 and 106

Mrs. Joe Yazzie

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.


My Commission expires Sept. 1, 1954. **My Commission expires September 1, 1958**

#2

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

Her thumb print

Yagazie

8036

Norm Augustine

His thumb print

San Mex

7603

Joe Roberts

Date: Jan 9 - 56

Mrs Joe Roberts

Her thumb print

Farmington

8099

Mrs Joe Yagazie

Her thumb print

San Mex

Mrs Joe Yagazie

Her thumb print

Date: Jan 9 - 56

State of New Mexico

County of McKinley

ss.

Before me, a Notary Public, on this

11

day of

Jan 1956

Contract I-149-Ind-8099

Art Werito or Arch Werito, Heir of Al.#105 and 106

Ada or Mrs. Art or Arch Werito or Warito

Contract I-149-Ind-7603

Contract I-149-Ind-8096

Bessie Boyale or Da-yazzie also known as Day-yazzie Norberto or as Bessie Norberto or as Mrs. Dick Beyale, C#12097 as Heir Al.#128 and 129, and of Al.#92.

Contract I-149-Ind-8096

Contract I-149-Ind-7603

Jennie Augustine or Tah-des-pah, also known as Mrs. Tom Augustine C#12000, Heir of Al.#92, and heir of Al.#128 and 129.

Contract I-149-Ind-8099

Ni-ti-y-ealth-hi-yah or Charley Joe, Heir of Al.#100

Mrs. Charley Joe

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Lowell Wilson

My Commission expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

B. H. Ranch
Farmington N. Mex. Box 401

Date: 1-11-56

Escondido Street
Magazine
Farmington N. Mex.

Date: 1-11-56

W. H. Smith
Edna L. Smith

Bernie B. Smith

James A. Smith

Charles E. Smith

Mr. Charles E. Smith

Her thumb print
 Her thumb print
 Her thumb print
 Her thumb print
 Her thumb print

Howard Wilson

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 17 day of Feb, 1956
personally appeared

Lorena Sandoval or Yah-des-pah also known as Yah-du-pah or as
Yah-de-pah or as Lorena Foster Sandoval or As Lorena Sandoval
or as Mrs. George Chopo Sandoval, Census #10022 or as Alot #138

Contract #I-149-Ind-7603

Glinth-dez-bah or Mrs. Keith Begay, Heir of A1#103 and 104

Keith Begay

Contract #I-149-Ind-0097

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

My Commission expires ~~Sept 1, 1954~~ My Commission expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

White Horse store

Louisa Sandoval 7603

Crown Point N. Mex.

Date Feb 11-56

Del Del
Gallup New Mex.

Ms Keith Begay 8097
Keith Begay

Date: _____

State of New Mexico

County of McKinley

ss.

a

Before me, a Notary Public, on this 16th day of April, 1906,
personally appeared

Richard Sandoval, Heir of Al. 107-116	7603
Charlie Tsosie, Heir of 94-95-96	8098
Mrs. Bessie Tsosie	
Ignacio Atencio, Heir of 107-116	7603
Mrs. Ben Ignacio, Heir of 107-116	7603
Mrs. Joe Tso or Nah cle-ya-nas-pah-widow, Heir 103-104	8097
John Tso or Nah-yah-Tso, Heir Al. #103 and 104	8097
Juanita Tso or Mrs. John Tso	

to me known to be the identical person(s) who executed the within foregoing instrument, and I caused them to be sworn to me that they executed the same as their free and voluntary act and deed in conformity with the laws and customs of the State of New Mexico therein set forth.

My Commission expires September 1, 1908

UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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 portions thereof presently held or which may arise under existing agreements, or other interests in production covered by said Unit Agreement hereby agree, and 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 terms of any lease given by the undersigned or under which the undersigned claims an interest therein 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 such 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 said agreements) oil and gas duly made at contract rates applied to the production liberated 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 uniting under such leases or other contracts.

This Unit Agreement and Order 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 acknowledged shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

SIGNATURE

Walter T. Burt
Owner
107-116
H. H. H.

Richard L. Burt 7603
 107-116
Charles T. Burt
 94-95-96 9925
Bessie T. Burt

Mr. Lake
Owner
107-116

Agnes A. Burt 7603
 107-116
Everett Burt
Mrs. Bessie Burt 7603
 107-116

Abstract

This Arbitration and Award of Salt Agreement may be executed in any number of counterparts, each of which shall be deemed to represent the same agreement and effect as if all parties had signed the same document, and shall be binding upon all those who execute a counterpart hereof. Execution of this Agreement by one or more of the 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.

CHILDREN

100

4-16-56

QV 1035-104

2097

6103-104

8097

Debi

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this

25 day of Jan, 1956

personally appeared

Contract I-149-Ind-8097

Na tah elth Wolth or Little Charlie Al.#1668, C#12374, Heir of Al.#103

Mrs. Little Charley

Contract I-149-Ind-8097

Nata-ye-ta-na-yah-Tso, Heir of Al.#103 and 104 or Old Lady Singer the Woman who don't Sleep.

Contract I-149-Ind-8099

Mrs. Agupito Atencio or Mrs. Blue Sheep or Choh, Heir of All.ot# 105 and 106

Contract I-149-Ind-7603

Pa-he, or Mrs. Bahe Nelson, also known as Bahe Nelso, widow, C#12284, Heir of Al.#107 and 116

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Howard Wilson

My Commission expires ~~September 1, 1954~~ September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

Farmington N. Mex
N. Mex

8097

Little Charlie
Ac. #12374
Mr. Little Charlie

Here R.R. thumb print

Here R.R. thumb print

Date: Jan 25 - 56

8097

O. C. Feltz, Surge
Ac. #10566

Here thumb print

Chaco Canyon
Farmington N. Mex

8099

Mr. Agapito Atanasi
Mr. John S. Hughes
Ac. #12121

Here thumb print

Date: Jan 25 - 56

7609

Mr. Baker

Here

7

694

SIGNATURE

Joseph a Dina, Chile: Enallagma
for Ann Alfred
Hair of al 101 and 121
8099 also 7603

Her
Moul

Ruth Newman Fireshaker
(Mrs. R. N. Fireshaker)

Paul Newman Firehaker
8097
Heir al #103 and 104

STATE OF California
COUNTY OF San Diego

SS.:

On this 1st day of June, 1956, before me appeared

John A. Smith 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:

George J. Davis
Notary Public in and for San Diego County,
State of California

My Commission expires January 23, 1959

STATE OF California
COUNTY OF San Diego

SS.:

On this 1st day of June, 1956, before me appeared

John A. Smith 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:

George J. Davis
Notary Public in and for San Diego County,
State of California

My Commission expires January 23, 1959

STATE OF California
COUNTY OF San Diego

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

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this

30 day of Jan, 1956

personally appeared

Billie Tsosie, Heir of Al.#94, 95 and 96.

Mrs. Billie Tsosie

Contract I-149-Ind-8098

Alth-nos-bah or Mrs. Kee Sandoval, Heir of Al.794, 95 and 96.

Mr. Kee Sandoval, S. S.#525-40-6959

Contract I-149-Ind-8098

Des-pah Chiquito Sandoval, C/#9340, Widow and Heir to Al.# 121 and 122

Contract I-149-Ind-7603

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Howard Wilson

My Commission expires ~~My Commission~~ expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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
White Horse Lake
Crownpoint N. Mex.
Date: 1-30-56

White Horse Lake
Crownpoint N. Mex.
Date: 1-30-56

SIGNATURE
Bilbi Iossie
Mrs. Bilbi Iossie
Arth - Roy Baker
Mrs. Ke Anderson
Mr. Ke Anderson
Despach Chiquito

his mark

8098

her mark

8098 her mark

his mark

her mark

State of New Mexico }
County of McKinley } m.

13

Before me, a Notary Public, on this 12th day of April, 1956
personally appeared

Ha mus bah or Thelma Batennie, Co #12344, Heir of Al. #103 8097
Willie Jim

Cecile or Cecile or Thelma Shaeenie Tassie or Zennie th palia, 8097
Heir of Al. #103

Elisabeth Teller or Glin yilch mas jis bah, Heir Al. # 126 8094
Probate reference G 132-53-widow of John Teller

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

Howard W. Wilson

My Commission expires ~~Sept 1, 1954~~ Sept 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

Noguzie N. Mex

Date: 4-12-56

B & W Ranch

Farmington N. Mex

Date: 4-12-56

SIGNATURE

8097

Hand Aug Baker or William Battoni
Weir 103 212344
Willie Jim

Acie & Acie or
Thelma Chera Tarsie
or Zornie th polia
Weir 103

Elizabeth Teller

Idem mark

8097

8097

Idem mark 8094

State of New Mexico
County of McKinley

ss.

Before me, a Notary Public, on this 16 day of Jan, 1956
personally appeared

Clarence Tso or Bi-ich-la-tin or Bish-than, Heir of Allot #103
an 104

Contract I-149-Ind-8097

Andy Tsosie, Heir of Al.#94-95 and 96

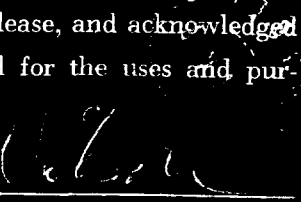
Grace Tsosie or Mrs. Andy Tsosie

Contract I-149-Ind-8098

Dessie Sandoval or Mrs. Julian Sandoval or Mrs. Julius
Sandoval, Widow, Heir of Al.#126

Contract #I-149-Ind-8094

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.


Edward Nelson

My Commission expires ~~My Commission~~ expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

16

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

Kimbeth

Blaine Inc

8-97

Waggoner N. Med

Date:

Jan 16-56

Armington N. Med

201 North Orchard

Armington N. Med

Date:

Dec 1955

Andy L...

Grace L...

Bessie Sandoval

State of New Mexico

County of McKinley

Before me, a Notary Public, on this 13 th. day of April, 1956
personally appeared

Rodger H. Sandoval, Heir of Al. #126 8094
Merril L. Sandoval, Heir of Al. #126 8094
Rosie T. Scott or Atad or Da Nas Bah
Mr. Dick C. Scott, Heir of Al. #103 8097

Mrs. Stella Tapsie Lee, Heir of 94, 95 & 96 8098
Mr. Herman Lee
Mr. Paul Begay or Dalith Tso Heir of Al. #103 & 104 8097
Eshi hi Tsosie, Heir of Al. #100 8099

Mr. Jim Harvey or Jim River, Husband of
Yealth doz Bah or Mrs. Jim River, Deceased, Heir of Al. #100
8099

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

My Commission expires September 1, 1954

My Commission expires Sept. 1, 1954.

Howard W. [Signature]

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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ADDRESS

Sp 638- Chambers, Arizona
Box 859 Phoenix, Arizona

Date: 4-13-56

Gen Mel

FARMINGTON, N. MEX

Date: 4-13-56

SIGNATURE

Rodger N. Sanborn
Merle L. Sanborn 8094
Har 126

S Rosie T. Scott
Har 103 8097
Wick C Scott

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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ADDRESS

SIGNATURE

P. O. Box 626,

Shiprock, N. Mex.

Date: 4-13-56

{ (Mrs.) Stella Torralba
94-95-96
Hesperia 8098

Paul Begay 8097
103-1641

Gen. Col. Thompson, Th. M.

Date: _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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ADDRESS

Old Jig Past

Farmington NM

Date:

April 13-56

SIGNATURE

* Jim Hovany
Hill AL 100 8099

Eshiki Tassin
Hill AL 100 8099

Date:

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 7 day of Feb, 1956
personally appeared

Andy Newman or Andy Antonio, Heir of Al.#103 and 104

Esther G. Newman

Contract I-419-Ind-8097

Andrew Newman Jr., Heir of Al.#103 and 104

Arthur Newman, Heir of Al.#103 and 104

Francis Norberto, Al.#90, C#12089, Heir of Al.#92

Mrs. Betty Norberto or Mrs. Francis Norberto

Contract I-149-Ind-8096

Ekid-his-pah or Mrs. Julia Jake or Mrs. Julian Jake, Al.#90
and Heir of Al.#94-95-and 96

Julian Jake

Contract I-149-Ind-8100

Contract I-149-Ind-8098

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

My Commission expires Sept. 1, 1954
My Commission expires September 1, 1958

Frederick C. C. C.

✓ 15 RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

<u>It Wingate</u> <u>New Mex</u>	<u>✓ Sarah Newman</u> 8097 <u>Esther D. Newman</u> 8097
-------------------------------------	--

<u>Crownpoint N. Mex</u>	<u>Francis Norberto</u> 8096 <u>Mr. Betty Norberto</u>
--------------------------	---

<u>It Wingate</u> <u>New Mex</u>	<u>✓ Andrew Newman Jr.</u> 8097 <u>Arthur Newman</u> 8097
-------------------------------------	--

<u>White Horse Lake</u> <u>Crownpoint N. Mex</u>	<u>Mr. Julian Jake</u> <u>mark</u>
---	---------------------------------------

2-7-56

Howard Wilson } Julian Jake

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 27 day of Feb, 1956
personally appeared

Navajo Thomas Al# 061809 (C#12378) Heir of Al. 103 and sole
Heir of Joe Thorn as minor Heir of Al.# 103

Irene Thomas or Arline Thomas, Heir of #103

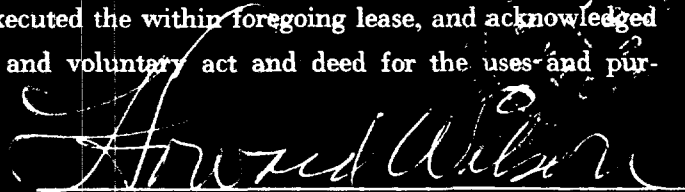
Junior Thomas or Walter Thomas, Heir of #103

Hoska-yeth-e-dal or Kee Max Heir of Al#103, C#12381

Mrs. Kee Max

Contract #I-149-Ind-8097

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.



My Commission expires ~~Sept. 1, 1958~~ expires September 1, 1958

19

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

J. Middleton J. Mc

John J. Mc

Date: 2-27-56

John J. Mc

John J. Mc

J. Middleton J. Mc

John J. Mc

Date: 2-27-56

John J. Mc

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 17 day of Jan, 1956
personally appeared

Christine W. Henio or Christine Kien Henio, C#8127, Heir of
Al. #103 and 104

Contract I-149-Ind-8097

Bessie Newman, Heir of Al. #103 and 104

Contract I-149-Ind-8097

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.


Edward Wilson
My Commission expires Sept. 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

Pratt

Christine M. Henio 8097

her Mex.

Date: Jan 17-56

Bessie Newman 8097

Date:

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this _____
personally appeared

23 day of Jan, 1956

Contract I-1149-Ind-8097

Joe Paul or Hostein Ba-kiho, Al#028272, Heir of Al.#103

Mary Paul or Mrs. Joe Paul

Joe Charley or Keith Chee, Heir of Al.#103

Mrs. Joe Charley

Paul Newman or Hok-ka or Kee-Chee, Al#028267, C#12349, Heir of Al.#
103

Mrs. Paul Newman

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

Lawrence Wilson

My Commission expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

Smithland

New Mex

Date: 1-23-56

Farmington

New Mex

Date: 1-23-56

8097 { Joe Paul
Mary Paul

8097 { Joe Chisley
Mrs. Joe Chisley

Mr. A. Newman

Sh... 1/15/56

State of New Mexico

County of McKinley

ss.

Before me, a Notary Public, on this _____
personally appeared

3 day of Feb

1956

Kee Tsosie or Miles Tso (Al 642) heir of Al.# 103 and 104

Eleanor Tso or Mrs. Miles Tso

Contract I-149-Ind-8097

Betty T. James, Widow or Betty Tsosie or Mrs. Walter James,
Heir of Al. #97, 94, 95 and 96.

Contract I-149-Ind-8098

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.

Frank Wilson

My Commission expires ~~My Commission~~ expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

Loreau School
Cuba N. Mex

Miles Tso
Eleanor Tso } 8097
Betty J. James 8098
widow

Date: Feb 3 - 56

Date: _____

Howard Wilson

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 5th day of June, 1956
personally appeared

A-detl-pahe or Mrs. Frank Lopez (Al. #50) C#11689, Heir of Al. #
103 and 104

Frank Lopez

Contract #I-149-Ind-8097

Juan Guerito or Nah-ti-be-Claw (Al. #86), Heir of Allot 105 and 106

Arlene Guerito or Mrs. Juan Guerito

Contract #I-149-Ind-8098

John P. Tsosie, Heir of Al. #94, 95 and 96

Rose Ann Tsosie or Mrs. John P. Tsosie

Contract #I-149-Ind-8098

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the uses and pur-
poses therein set forth.


My Commission expires Sept. 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

1-5-56

Nageezie N. M.

Date: 1-5-56

1157 Chaco Ave
Farmington, N. Mex.

Date: 1-5-56

Wm. Frank Lopez

Frank Lopez

Rosa Guzman

John P. Josie

John P. Josie

Rose Ann Josie

Howard Wilson

State of New Mexico }
County of McKinley } ss.

Q E

Before me, a Notary Public, on this 10th day of April, 1956
personally appeared

E-kid-des-pah, Al. #102, and

Heir Al. #100 Contract 8097 and 8099

Da Bah or Hosteen-de-na-has tinnie, Heir of Al. #100 8099

Ye nas pah or Fannie Francisco, Heir of Al. #100 8099

Kin-ne-bah or Mrs. Nikia Yazzie, Heir of Al. #100 8099

Mr. Nikia Yazzie

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged
to me that they executed the same as their free and voluntary act and deed for the use and pur-
poses therein set forth.

Edward A. Wilson

My Commission expires Sept. 1, 1956

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

Old Trading Post

Farmington N Mex

Date: 4-10-56

Bisti Store

Farmington N Mex

Date: 4-10-56

SIGNATURE

Er Kid des Pah 8097
al # 120 - Neir # 100 8099

Da Bob-Hester-d 8097
Neir al # 100 8099

Ye has Pah 8097
Fannie Francisco 8099

State of New Mexico

County of McKinley

ss.

Before me, a Notary Public, on this

1 day of Feb, 1956

personally appeared

Heirs of Na-ti-ya-hole-wood or Betah-not-sosa Al.#046447, C#10008,
Heir of Allot 94, 95 and 96.

Probate F 275-51 J.L.R.

Contract # I-149-Ind-8098

Heirs:

Kath-nip-bah
Tom Tsosie

E-kid-de-pah or Mrs. Fred Willy, Al.#99, Heir of Al.#94, 95 and 96

Fred Willie or Fred Willy

Contract I-149-Ind-8098

Contract I-149-Ind-8100

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Howard Nelson

My Commission expires ~~My Commission~~ expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

11

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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ADDRESS

SIGNATURE

White Horse Lake

* Kath Nip Bah

Crown Point NM

* Tom Isasie

Date: 2-1-56

White Horse Lake

Crownpoint NM

Date: 2-1-56

Fred Willie

E Kid-de-Bah
acut 199

8098

8098
8100

Her Mark

Mark

Her

Mark

State of New Mexico }
County of McKinley } ss.

Before me, a Notary Public, on this 8 day of March, 1956
personally appeared

Fred Alfred, Heir of Al.#100

Contract #I-1149-Ind-0099

to me known to be the identical person(s) who executed the within foregoing lease, and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purposes therein set forth.

Fred Alfred

My Commission expires ~~My Commission~~ expires September 1, 1958

RATIFICATION AND JOINDER OF UNIT AGREEMENT

17

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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

J. Mutton

Fred Alfred

Waco Tex

Date: 3-8-56

Date: _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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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Page 36

ADDRESS

SIGNATURE

Window Rock, Arizona

THE NAVAJO TRIBE OF INDIANS

By: *Scott Preston*

Date: March 30, 1956

Acting Chairman, Navajo Tribal Council

Date: _____

STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

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

STATE OF)
) SS.:
COUNTY OF)

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

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

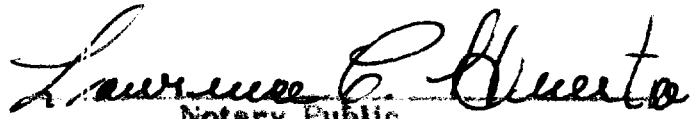
My Commission expires:

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

STATE OF ARIZONA)
) SS.:
COUNTY OF APACHE)

On this 30th day of March, 1958, before me appeared SCOTT PRESTON, to me personally known, who, being by me duly sworn, did say that he is the ACTING CHAIRMAN OF THE NAVAJO TRIBAL COUNCIL, and that said instrument was signed in behalf of the NAVAJO TRIBE by authority vested in the Acting Chairman of the Navajo Tribal Council, and acknowledged said instrument to be the free act and deed of said NAVAJO TRIBE.

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


Notary Public

My Commission Expires: April 17, 1957.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the South Chaco Unit Area located within the County of San Juan, 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.

See 37, 38, 40, 44

ADDRESS

SIGNATURE

504 South Main, Aztec, N. M.

" " " " "

Date: 1-30-56

Al Gruer

Jay Gruer

P.O. Box 1107

Cortador Springs 461

Date: 2-1-56

Griffith Krause

Katherine Krause

STATE OF)
COUNTY OF) SS.:

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

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

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

My Commission expires:

Notary Public in and for _____
County,
State of _____

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

On this 1st day of February, 1956, before me appeared

George W. Krause and Kathryn T. Krause
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 Nov. 15, 1959

Mary Kellner
Notary Public in and for El
Paso County,
State of Colorado

STATE OF)
COUNTY OF) SS.:

On this 30th day of January, 1956, before me personally

appeared Al Greer and Fay Greer, his wife, ~~a single person~~, to me known
to be the persons 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:

My Commission expires May 29, 1956

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

1

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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Page 40

ADDRESS

SIGNATURE

D. L. ...

Ray L. ...
Iris Atchison

Date: _____

Date: _____

STATE OF)
COUNTY OF) SS.:

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

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

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

My Commission expires:

Notary Public in and for _____ County,
State of _____

STATE OF *N. Mex*)
COUNTY OF *San Juan*) SS.:

On this 8 day of May, 1956, before me appeared

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

My Commission expires:

My Commission Expires: MAY 1 1958

Mae Place

Notary Public in and for _____ 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 South Chaco Unit Area located within the County of San Juan, 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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77. 40

ADDRESS

SIGNATURE

1610 Park Avenue, S.W.
Albuquerque, New Mexico

Richard E. Kramm

Date: March 30, 1956

1610 Park Avenue, S.W.
Albuquerque, New Mexico

Pauline M. Kramm

Date: March 30, 1956

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 Bernalillo)

On this 30 day of March, 1956, before me appeared RICHARD M. KRANNAWITTER and PAULINE M. KRANNAWITTER, 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:

10/22/58

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

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Tr. 4

ADDRESS

SIGNATURE

Albuquerque N.M.
900 Truman St.

Date: March 30th 1956

James A. Tadlock



Albuquerque N.Mex
900 Truman St.

Date: March 30 1956

Mary B. Tadlock

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 _____

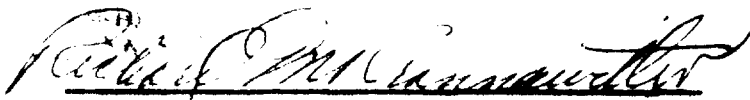
STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS.:

On this 30 day of March, 1956, before me appeared

JAMES A. TADLOCK and MARY B. TADLOCK,
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:

2/23/58



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 South Chaco Unit Area located within the County of San Juan, 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.

Tn. 40

ADDRESS

SIGNATURE

213 Cedar St. N. E.

Gilbert Archuleta

Albuquerque, New Mexico

Date: March 30, 1956

213 Cedar N. E.

Marcel M. Archuleta

Albuquerque, N. M.

Date: 3-30-56

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 BERNALILLO)

On this 30 day of March, 1956, before me appeared

GILBERT ARCHULETA and NORAH M. ARCHULETA,
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:

2/23/58

Richard M. Macintosh
Notary Public in and for _____
Bernalillo 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 South Chaco Unit Area located within the County of San Juan, 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.

Trs. 40, 44

ADDRESS

SIGNATURE

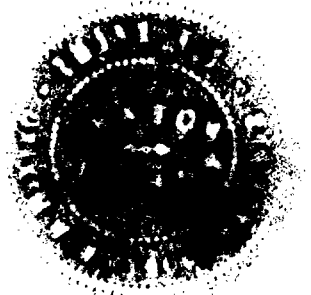
1012 N. DUSTIN

Harold Matzinger

FARMINGTON, NM

Date: 5-2-54

Date: _____



STATE OF)
) SS.:
COUNTY OF)

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

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

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

My Commission expires:

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

STATE OF)
) SS.:
COUNTY OF)

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

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

My Commission expires:

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

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

On this 3 day of MAY, 1956, before me personally

appeared HAROLD MONTAGNERY, 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



My Commission expires:

16, 1957

E. J. Helmer
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 South Chaco Unit Area located within the County of San Juan, 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

218 W. 7th Ave

Farmington, N.M.

Date: 5-24-56

[Signature]

218 W. 7th Ave

Farmington, N.M.

Date: 5-24-56

Edith R. Foster

STATE OF

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 _____

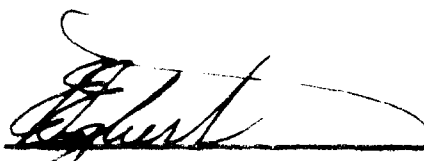
STATE OF New Mexico)
COUNTY OF San Juan) SS.:

On this 24th day of May, 1956, before me appeared

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

My Commission expires:

June 10, 1959



Notary Public in and for _____ County,
San Juan
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 _____