

CASE
RECORD
FILE

87

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

Oil Conservation Commission,
State of New Mexico,
Santa Fe, New Mexico.

Gentlemen:

Reference is made to the unit agreement for the Black Mesa area, Union County, New Mexico, approved December 2, 1946, I-Sec. 460.

Departmental letter of September 6 to The Pure Oil Company stated that the certificate of approval of the unit agreement would contain the following statement:

Determine and certify that the exercise of authority to control the quantity and rate of production provided in section 21 of said agreement shall be restricted within the limits made or fixed by the State Conservation Commission of New Mexico.

I very much regret that through oversight the foregoing provision was omitted when the certificate was prepared for Departmental approval. The various counterparts of the agreement now have been distributed and correction of the oversight at this time can be accomplished only by a modification of the unit agreement duly executed by all parties signing or approving the original instrument.

Your attention is invited to the fact that under the terms of section 21 of the unit agreement as now approved no control may be exercised by the Secretary of the Interior over the quantity and rate of production from privately owned or State owned land in the absence of specific written approval by your Commission. The foregoing omission therefore affects only the Federal land in the unit area which comprises about 26.7 per cent of the total unit are, and which is edge acreage to a large extent. Furthermore, the Federal acreage is interspersed with State and privately owned land.

Unless production control is made effective as to the whole of any single pool or deposit, it is not only ineffective but prejudicial to the land on which the control is exercised. Therefore it is inconceivable to me that an instance ever could arise under this unit agreement as approved where any production control would be exercised without the approval of your Commission.

In the light of the foregoing discussion, I trust you will consider the unit agreement acceptable without further modification. If, however, you consider it absolutely necessary that the unit agreement be amended, the unit operator will be called upon to submit such amendment.

Very truly yours,

W. H. Ratter
Director.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

C
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December 12, 1946

Alvin Richards, Esquire
The Pure Oil Company
Tulsa, Oklahoma

Re: Case 87

Dear Alvin:

The approved agreement in the above caption matter, forwarded with your letter of December 10, is today filed in the case.

With kindest personal regards.

Very truly yours,

Chief Clerk & Legal Adviser

DBL:MSH

P.S. As requested in your letter enclosed please find a set of C-101s, notice of intention to drill a well, and two bond forms -- the one-well bond form and the blanket bond form. If you contemplate drilling two or more wells, it doubtless would be more convenient to supply blanket bond. The one-well bond is to be written in the sum of \$5000. Both require corporate surety. From time to time you will need other forms as required by the regulations. These are distributed from the field office at Hobbs, to which office your superintendent may apply whenever he so desires.

THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

SOUTHWESTERN PRODUCING DIVISION

TULSA, OKLAHOMA

ALVIN RICHARDS, ATTORNEY

December 10, 1946

Mr. Carl B. Livingston
Attorney
Oil Conservation Commission
Santa Fe, New Mexico

Ans 87-

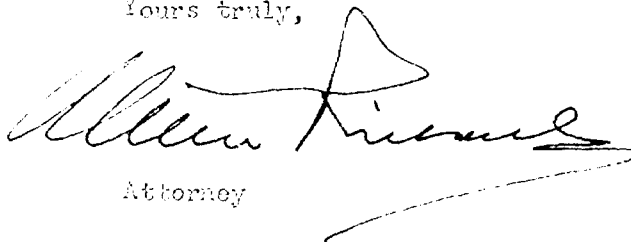
Re: Black Mesa Unit Agreement -
Union County, New Mexico.

Dear Sir:

We have finally procured final approval of the above agreement by the Secretary of the Interior, and I am enclosing herewith a full and completely executed copy of this agreement, together with all consents and ratifications. You will note attached a photostatic copy of the certification and approval by the Secretary of the Interior. This will give you a complete record of this entire transaction.

As it is our intention to begin a well in this area shortly, I would appreciate it very much if you would let me have some blanks, as outlined in your general rules which includes the bond and the various forms C-101 and upwards. I take it from the regulations that the minimum bond is \$5,000.00 and the blanket bond may be executed for \$10,000.00. As far as I know we have no other wells drilling in the state and presume we have no bond on file with you. I would appreciate it if you would advise us with reference to this matter.

Yours truly,


Attorney

AR:MR
encl.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

Recd. 12-9-46

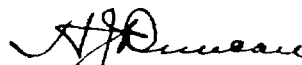
Oil Conservation Commission,
State of New Mexico,
Santa Fe, New Mexico.

Gentlemen:

You are hereby advised that under date of December 2, 1946, C. Girard Davidson, Assistant Secretary of the Interior, approved the unit agreement for the Black Mesa Area involving land in Union County, New Mexico. This agreement was approved by your Commission on October 8, and by the Commissioner of Public Lands for the State of New Mexico on October 19, 1946.

It is understood that the unit operator, The Pure Oil Company, will furnish you with a conformed copy of the approved agreement for your record.

Very truly yours,



H. J. Duncan,
For the Director.

STATE OF NEW MEXICO
OFFICE OF STATE GEOLOGIST
SANTA FE, NEW MEXICO

October 23, 1947

The Pure Oil Company
P. O. Box 271
Tulsa, Oklahoma

ATTENTION: C. E. Barnes

Gentlemen:

This acknowledges receipt of photostat copies of the letter from H. J. Duncan dated September 30, 1946 and of application for approval for termination of the Black Mesa unit agreement, Union County, New Mexico.

The papers will be filed in Case No. 87 on the docket of the Commission. According to the records of this office, the Black Mesa Unit agreement is terminated.

Respectfully yours,

GEORGE A. GRAHAM
Attorney
Oil Conservation Commission

CAG:bsp

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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:

CASE NO. 87

ORDER NO. 677

THE APPLICATION OF THE PURE OIL COMPANY
FOR AN ORDER OF APPROVAL OF THE UNIT
AGREEMENT FOR THE DEVELOPMENT AND
OPERATION OF THE BLACK MESA AREA WITHIN
TOWNSHIP 30 N, RANGE 36E, TOWNSHIP 31N,
RANGE 36E, TOWNSHIP 32N, RANGE 36E,
TOWNSHIP 30N, RANGE 37E, TOWNSHIP 31N,
RANGE 37E, TOWNSHIP 32N, RANGE 37E,
N.M.P.M., CONSTITUTING A COMPACT UNIT
AREA OF 33,030.36 ACRES, UNION COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at ten o'clock A.M., September 13, 1946, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 8th day of October, 1946, the Commission having before it for consideration the testimony adduced at the hearing of said case, and being fully advised in the premises;

IT IS THEREFORE ORDERED THAT:

The order herein shall be known as the:

BLACK MESA UNIT AGREEMENT ORDER

SECTION 1. (a) The project herein shall be known as the Black Mesa Unit Agreement, and shall hereinafter be referred to as the Project.

(b) The plan by which the Project shall be operated shall be embraced in the form of unit agreement for the development and operation of the Black Mesa Unit Area referred to in the petitioner's petition and filed with said petition and such plan shall be known as the Black Mesa Unit Agreement Plan.

SECTION 2. The Black Mesa Unit Agreement Plan shall be and is hereby approved, as set out by the petition and the amended petition in this case and said unit agreement.

SECTION 3. (A) The Unit Area shall be:

Principal Meridian, New Mexico

Township 30 North, Range 36 East

Sections 1, 2, and 3

Section 4, NE 1/4, SE 1/4, SW 1/4

Sections 9, 10, 11, 12, 13, 14, 15 and 16

Sections 21, 22, 23 and 24.

Township 31 North, Range 36 East

Sections 1, 11, 12, 13 and 14
Section 22, E $\frac{1}{2}$ SE $\frac{1}{4}$
Sections 23, 24, 25, 26 and 27
Sections 34, 35 and 36.

Township 32 North, Range 36 East

Section 36.

Township 30 North, Range 37 East

Sections 5, 6, 7 and 8
Section 17, Lots 1, 2, 3, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$
N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$
Sections 18 and 19
Section 20, W $\frac{1}{2}$ NW $\frac{1}{4}$

Township 31 North, Range 37 East

Sections 5, 6, 7 and 8
Sections 17, 18, 19 and 20
Sections 29, 30, 31 and 32

Township 32 North, Range 37 East

Sections 20, 29, 30, 31 and 32.

Area 33,030.36 acres, more or less.

(b) The Unit Area may be enlarged or diminished as provided in said plan.

SECTION 4. The unit operator shall file with the Commission an executed original, or executed counterparts thereof, of the Black Mesa Unit Agreement not later than 30 days after the effective date thereof.

SECTION 5. 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 party thereto by subscribing to such Agreement or a counterpart thereof. The Unit Operator shall file with the Commission within 30 days an original of any such counterpart.

SECTION 6. The order herein shall become effective on the first day of the calendar month next following the approval of Commissioner of Public Lands and the Secretary of the Interior and shall terminate ipso facto on 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 as of the day and year hereinabove designated.

CHIEF OF MINING, PRESIDENT

JOHN A. DUFFY, CHAIRMAN

John E. Miller

JOHN A. DUFFY, CHAIRMAN

L. E. Spinkier

JOHN A. DUFFY, CHAIRMAN

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:

CASE NO. 87

ORDER NO. 677

THE APPLICATION OF THE PURE OIL COMPANY
FOR AN ORDER OF APPROVAL OF THE UNIT
AGREEMENT FOR THE DEVELOPMENT AND
OPERATION OF THE BLACK MESA AREA WITHIN
TOWNSHIP 30 N, RANGE 36E, TOWNSHIP 31N,
RANGE 36E, TOWNSHIP 32N, RANGE 36E,
TOWNSHIP 30N, RANGE 37E, TOWNSHIP 31N,
RANGE 37E, TOWNSHIP 32N, RANGE 37E,
N.M.P.M., CONSTITUTING A COMPACT UNIT
AREA OF 33,030.36 ACRES, UNION COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

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SECTION 2. The Black Mesa Unit Agreement Plan shall be and is hereby approved, as set out by the petition and the amended petition in this case and said unit agreement.

SECTION 3. (A) The Unit Area shall be:

Principal Meridian, New Mexico

Township 30 North, Range 36 East

Sections 1, 2, and 3

Section 4, NE $\frac{1}{4}$, SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$

Sections 9, 10, 11, 12, 13, 14, 15 and 16

Sections 21, 22, 23 and 24.

Illegible

Township 31 North, Range 36 East

Sections 1, 11, 12, 13 and 14
Section 22, NE $\frac{1}{4}$ SE $\frac{1}{4}$
Sections 23, 24, 25, 26 and 27
Sections 34, 35 and 36.

Township 32 North, Range 36 East

Section 36.

Township 30 North, Range 37 East

Sections 5, 6, 7 and 8
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NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$
Sections 18 and 19
Section 20, W $\frac{1}{2}$ NW $\frac{1}{4}$

Township 31 North, Range 37 East

Sections 5, 6, 7 and 8
Sections 17, 18, 19 and 20
Sections 29, 30, 31 and 32

Township 32 North, Range 37 East

Sections 20, 29, 30, 31 and 32.

Area 33,030.36 acres, more or less.

(b) The Unit Area may be enlarged or diminished as provided in said plan.

SECTION 4. The unit operator shall file with the Commission an executed original, or executed counterparts thereof, of the Black Mesa Unit Agreement not later than 30 days after the effective date thereof.

SECTION 5. 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 party thereto by subscribing to such Agreement or a counterpart thereof. The Unit Operator shall file with the Commission within 30 days an original of any such counterpart.

SECTION 6. The order herein shall become effective on the first day of the calendar month next following the approval of Commissioner of Public Lands and the Secretary of the Interior and shall terminate ipso facto on 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 as of the day and year hereinabove designated.

OIL CONSERVATION COMMISSION

(SGD) JOHN J. DEMPSEY
JOHN J. DEMPSEY, CHAIRMAN

(SGD) JOHN E. MILES
JOHN E. MILES, MEMBER

(SGD) R. R. HARRISON
R. R. HARRISON, SECRETARY

SEAL

INDEXABLE

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:

CASE NO. 87

ORDER NO. 177

THE APPLICATION OF THE PURE OIL COMPANY
FOR AN ORDER OF APPROVAL OF THE UNIT
AGREEMENT FOR THE DEVELOPMENT AND
OPERATION OF THE BLACK MESA AREA WITHIN
TOWNSHIP 30 N, RANGE 36E, TOWNSHIP 31N,
RANGE 36E, TOWNSHIP 32N, RANGE 36E,
TOWNSHIP 30N, RANGE 37E, TOWNSHIP 31N,
RANGE 37E, TOWNSHIP 32N, RANGE 37E,
N.M.P.M., CONSTITUTING A COMPACT UNIT
AREA OF 33,030.36 ACRES, UNION COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at ten o'clock A.M., September 13, 1946, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 8th day of October, 1946, the Commission having before it for consideration the testimony adduced at the hearing of said case, and being fully advised in the premises;

IT IS THEREFORE ORDERED THAT:

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Sections 9, 10, 11, 12, 13, 14, 15 and 16

Sections 21, 22, 23 and 24.

Illegible

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NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$
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Section 20, W $\frac{1}{2}$ NW $\frac{1}{4}$

Township 31 North, Range 37 East

Sections 5, 6, 7 and 8
Sections 17, 18, 19 and 20
Sections 29, 30, 31 and 32

Township 32 North, Range 37 East

Sections 20, 29, 30, 31 and 32.

Area 33,030.36 acres, more or less.

(b) The Unit Area may be enlarged or diminished as provided in said plan.

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SECTION 6. The order herein shall become effective on the first day of the calendar month next following the approval of Commissioner of Public Lands and the Secretary of the Interior and shall terminate ipso facto on 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 of the day and year hereinabove designated.

Oil Conservation Commission

(Sgd.) JOHN J. DEWITT, Chairman

(Sgd.) JOHN E. HINES, Secretary

(Sgd.) J. H. DEWITT, Secretary

ILLEGIBLE

O CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

October 8, 1946

Alvin Richards, Esquire
The Pure Oil Company
P. O. Box 271
Tulsa, Oklahoma

Re: Case 87

Dear Mr. Richards:

Enclosed please find executed original and one copy
of the order in the above captioned case.

The original is being photostated by Read and Company
as per your order. Read and Company will transmit
the photostat direct to you.

Very truly yours,

Chief Clerk & Legal Adviser

GBL:MSH

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THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

SOUTHWESTERN PRODUCING DIVISION

TULSA, OKLAHOMA

ALVIN RICHARDS, ATTORNEY

August 22, 1946.

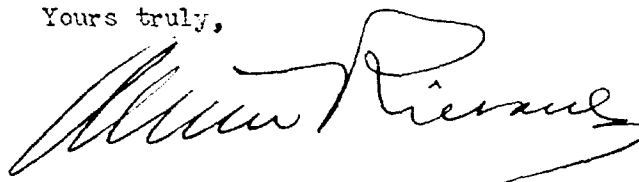
Mr. Carl B. Livingston, Attorney,
Oil Conservation Commission,
Santa Fe, New Mexico.

Dear Mr. Livingston:

Re: Case No. 87 - The Pure Oil Company,
Black Mesa Unit Agreement.

I was very glad to get your letter of August 20th, advising that the above captioned case is set for hearing September 13th, at Santa Fe. I also acknowledge receipt of a copy of the notice by publication. I shall be on hand on this date, or a day or two before and go over the matter with you, and will bring witnesses for the hearing.

Yours truly,



Attorney

AR/M

COPY

Union County Leader
Clayton, New Mexico

Gentlemen:

UPON COMPLETION OF THE PUBLICATION, PLEASE SEND PUBLISHER'S AFFIDAVIT.

Very truly yours,

CBL:MSH

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
Oil Conservation Commission
The Oil Conservation Commission, as
provided by law, hereby gives notice of
the following hearing to be held at Santa
Fe, New Mexico at 10 A.M., September 12,
1946.
Case 52
In the matter of the application of
the Pure Oil Company for an order of
approval of the unit agreement for the
development and operation of the Black
Hills Area within Township 30N, Range
36E, Township 31N, Range 36E, Town-
ship 32N, Range 36E, Township 30N,
Range 37E, Township 31N, Range 37E,
Township 32N, Range 37E, N.M.P.M.,
constituting a compact unit area of
25,000.00 acres, Union County, New
Mexico.
Any interested party is entitled to be
heard.
Given under the seal of said Commis-
sion at Santa Fe, New Mexico, on August
24, 1946.
OIL CONSERVATION COMMISSION
By: R. R. SPURRIER,
Secretary.
(SEAL)
Pub. Aug. 24, 1946.

Affidavit of Publication

State of New Mexico, }
County of Santa Fe } ss.

I, C. B. Floyd, being first duly sworn,
declare and say that I am the (Business Manager) (~~Editor~~) of the Santa Fe
New Mexican, a daily newspaper, published in the English
Language, and having a general circulation in the City and County of Santa Fe, State of
New Mexico, and being a newspaper duly qualified to publish legal notices and adver-
tisements under the provisions of Chapter 167 of the Session Laws of 1937; that the
publication, a copy which is hereto attached, was published in said paper ~~once each week~~
for one time ~~consecutive weeks, and on the same day of each week in~~
the regular issue of the paper during the time of publication, and that the notice was
published in the newspaper proper, and not in any supplement, ~~once each week~~ for
one time ~~weeks consecutively, the first~~ publication being on the
24th day of August, 1946, and ~~was not published~~
~~consecutively~~ ~~on the same day of each week~~; that payment
for said advertisement has been (duly made), or (assessed as court costs); that the
undersigned has personal knowledge of the matters and things set forth in this affidavit.

PUBLISHER'S BILL

.....lines, one time at \$.....

.....lines,times, \$.....

Tax \$.....

Total \$.....

Received payment,

By.....

C. B. Floyd
Manager

Subscribed and sworn to before me this 26th
day of August, A.D., 1946

Amos T. Linder
Notary Public

My Commission expires
June 14, 1947

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

August 24, 1946

AIRMAIL

Union County Leader
Attention: C. E. Lough
Clayton, New Mexico

Re: Notice for Publication
Case No. 37

Gentlemen:

In reply to your letter of August 22, the legal advertisement in the above captioned matter sent you under date of August 20 is intended to be published next or earliest time it is possible to do so. As pointed out in said letter it is to be published once. Please be sure to proof read it and send publisher's affidavit upon publication.

Very truly yours,

Chief Clerk & Legal Adviser

GBL:FSH

C
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Complete Trade Area Coverage

INDEPENDENT WEEKLY

Union County Leader

PUBLISHED THURSDAY

C. E. LOUGH, PUBLISHER
E. F. LOUGH, BUSINESS MANAGER

Clayton, New Mexico

Aug 22, 1946

New Mexico Oil Conservation Com
Santa Fe, N. M.

Gentlemen: We are in receipt of legal case 87,
which arrived here this morning—too late for
this publication which we mail Wednesday
evening. We will run in next week's paper
unless we hear otherwise. Also please advise
if it should run more than one time.

Thank,

C. E. Lough

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

The Oil Conservation Commission, as provided by law, hereby gives notice of the following hearing to be held at Santa Fe, New Mexico at 10 A.M., September 13, 1946.

Case 87

In the matter of the application of the Pure Oil Company for an order of approval of the unit agreement for the development and operation of the Black Mesa Area within Township 30N, Range 36E, Township 31N, Range 36E, Township 32N, Range 36E, Township 30N, Range 37E, Township 31N, Range 37E, Township 32N, Range 37E, N.M.P.M., constituting a compact unit area of 33,030.36 acres, Union County, New Mexico.

Any interested party is entitled to be heard.

Given under the seal of said Commission at Santa Fe, New Mexico, on August 20, 1946.

OIL CONSERVATION COMMISSION



BY: R. R. SPURRIER, SECRETARY

SEAL

WILSON CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

August 20, 1946

Mr. Alvin Richards
The Pure Oil Company
P. O. Box 271
Tulsa, Oklahoma

Re: Case 87 - Pure Oil Company - Black Mesa
Unit Agreement.

Dear Mr. Richards:

The above captioned case is set for September 13 at 10 A.M.,
Santa Fe, New Mexico.

Please acknowledge receipt of the enclosed notice.

Very truly yours,

Chief Clerk & Legal Adviser

CBI:RSH

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STATE OF NEW MEXICO
DEPARTMENT OF STATE GEOLOGIST
SANTA FE, NEW MEXICO

Case 87

August 5, 1947

Mr. Roy O. Yarbrough
P. O. Box 1545
Hobbs, New Mexico

ATTENTION: Miss Gardner

Dear Roy:

Thanks for your letter of July 28, 1947.

The information you gave enabled us to straighten out a filing error and thus secure the information needed by the Land Commissioner to terminate the Black Mesa Unit Agreement in Union County.

Very truly yours,

GEORGE A. GRAHAM
Attorney,
Oil Conservation Commission

GAG:bsp

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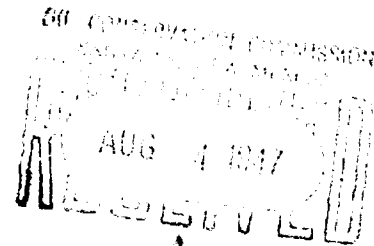
NEW MEXICO
OIL CONSERVATION COMMISSION

GOVERNOR JOHN J. DEMPSEY
CHAIRMAN
LAND COMMISSIONER JOHN E. MILES
MEMBER
STATE GEOLOGIST R. R. SPURRIER
SECRETARY AND TREASURER



Santa Fe, New Mexico

Box 1545
Hobbs, New Mexico
July 28, 1947



Mr. George A. Graham, Attorney
Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Dear Mr. Graham:

In reply to your letter of July 25, 1947, in regard to the Report of Result of Plugging, Form C-103, on the Pure Oil Company, Black Mesa Unit well located in the NESWNE in Section 6, Township 30 N, Range 37 E, the report was approved in this office on June 2, 1947. The Original thereof was sent to the Santa Fe Office with that weeks mail.

I have sent the forms requested by your office under seperate cover.

Very truly yours,

Roy Yarbrough
cf

Oil & Gas Inspector

cg

THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO.

1026 SEVENTEENTH ST., N. W.
WASHINGTON 6, D. C.

July 23rd, 1946.

****BLACK MESA UNIT AGREEMENT.****

Mr. Alvin Richards,
The Pure Oil Company,
P. O. Box 271,
Tulsa, Oklahoma.

Dear Mr. Richards:

For your information, the Black Mesa Unit Agreement, submitted by the Pure Oil Company to the U S Geological Survey at Roswell, N.M., duly arrived in Washington, and passed thru all the necessary Divisions of the Interior Department.

The Agreement was approved as written, and the approval has been initialed on the Agreement by all the various Divisions, and it has now been submitted to the Secretary for his signature, which is the final step.

Should we at this time, ask any change in the Agreement, it means that the Agreement must be recalled from the Secretary's desk; - the necessary change made in the wording, and the amended Agreement resubmitted to the Geological Survey at Roswell, N. M., and then, thence again to Washington, and thru all the necessary Divisions, such as the Geological Survey, the Mineral Division, the Law Board, and back to the Secretary. This is the decision of the Department of the Interior. In addition to this, the amended Agreement must be approved by all the signatories of the Unit Agreement.

As it now stands, the Agreement as written, initialed and approved by all the Divisions down the line is considered in effect an approved agreement and only requires the Secretary's signature. I understand that in the past, Unit Agreements worded the same as the Black Mesa Agreement have been accepted by the State of New Mexico. The right of the State of New Mexico to control oil production is freely admitted by the Interior Department. If the State of New Mexico will accept the Agreement as written, it will save our Company months of time in getting started. We know from experience that it requires months of time to get a new Agreement approved, and an amended agreement takes the same procedure as a new Agreement. This is especially true now with the Interior Department short of help and swamped with new applications and new Agreements of all sorts.

Sincerely yours,



WALTER DU MONT.

CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

July 17, 1946

Mr. Alvin Richards
The Pure Oil Company
Southwestern Producing Division
Tulsa, Oklahoma

Re: Pure Oil Company: Black Mesa Unit Agreement, Union
County, New Mexico.

Dear Mr. Richards:

Reference is to your letter of July 9 enclosing petition for approval
of Black Mesa Unit Agreement, Union County.

Detailed examination reveals the failure to include the following phrase:
"within the limits made or fixed by the Commission", in Section 21, Rate
of Prospecting, Development and Production, line 2 following the words
"development and", in said line. The inclusion of this phrase was in
the Picacho Unit Agreement, Lincoln County, form taken as standard as
to these matters pertaining to State control and has been included in
every unit agreement approved by the Commission since that time. It
is presumed that the phrase in question must have been left out by some
oversight. With the inclusion of the phrase the pertinent portion of
the sentence involved should read as follows, the phrase in question
being underlined:

"All production and the disposal thereof shall be in conformity with
allocations, allotments, and quotas made or fixed by any duly authorized
person or regulatory body under any Federal or State statute; provided,
that the Secretary of the Interior is vested with authority pursuant to
the amendatory acts of March 4, 1931, and of August 21, 1935, supra,
to alter or modify from time to time, in his discretion, the rate of
prospecting and development and, within the limits made or fixed by the
Commission, the quantity and rate of production under this agreement."

If the agreement has not already been executed, the phrase can be easily
included. If the agreement has been executed, either a revised executed
copy could be filed or, if more convenient, an executed supplement
including the change could be filed.

CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Richards

-2-

7-17-46

C
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You will be advised of the date when your petition is set for hearing. Ordinarily all pending petitions that are ready for hearing are set at the same time. I believe it would be expedient to advise as soon as is possible whether the agreement with the included phrase in question or a supplement to the agreement containing such phrase will be ready for filing in due course.

Very truly yours,

Chief Clerk & Legal Adviser

CHL:MSH
cc Foster Merrell
C. E. Barnes, Landman
Pure Oil Co., Tulsa
George Graham

THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO,

SOUTHWESTERN PRODUCING DIVISION

TULSA, OKLAHOMA

ALVIN RICHARDS, ATTORNEY

July 9, 1946

Mr. Carl Livingston, Attorney,
Oil Conservation Commission,
Santa Fe, New Mexico.

Dear Mr. Livingston:

Re: Black Mesa Unit Agreement,
Union County, New Mexico.

We are to day in receipt of a letter from the Commissioner of Public Lands, Mr. John E. Miles, advising that the above agreement has been examined and found satisfactory as to form and substance, which would authorize proceedings before the Oil Conservation Commission, the final certificate to be executed after a hearing on findings of the Commission.

Following the procedure which you outlined when I was there a short time ago, I am enclosing you herewith a petition for filing with the Oil Conservation Commission.

I am also enclosing for filing, detached, a geological report and map, marked Exhibit "A", which I understand will not be generally exhibited to the public. This same geological statement and map was filed with the Commissioner of Public Lands, and I only have one executed copy left, which I trust will be sufficient. If more copies are required I can file photostats.

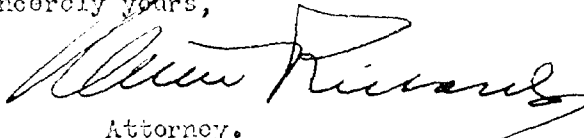
I am also enclosing a copy of the Unit Agreement. I left a copy or two with you when I was there, and I assume this additional copy will be sufficient for your needs at this time. We of course will file executed copies with you at or about the time of the hearing.

I would appreciate it very much if you would expedite the hearing of this as much as possible and advise me as soon as you can when a hearing can be held.

Also, if after examining these papers there is anything that is lacking I would appreciate your letting me know so that I can supply you with anything you need, and I trust if there is anything lacking that will be necessary to supply you, that it will not delay the advertising and setting of the matter down for hearing.

With kindest regards, I am,

Sincerely yours,

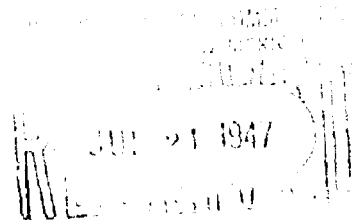

Attorney.

AR:M
Encl. 3.

ALL QUOTATIONS SUBJECT TO CHANGE WITHOUT NOTICE
ALL AGREEMENTS CONTINGENT UPON STRIKES, FIRES, ACTS OF THE GOVERNMENT AND CARRIERS, AND ALL OTHER CAUSES BEYOND OUR CONTROL

C
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P
Y

THE PURE OIL COMPANY
P. O. BOX 271
Tulsa 2, Okla.



July 18, 1947

Mr. John E. Miles
Commissioner of Public Lands
Santa Fe, New Mexico

Dear Mr. Miles:

We are enclosing herewith original and two copies of Application for Approval of Termination of Black Mesa Unit Agreement I-Sec. No. 460, covering an area of 33,030.36 acres in Townships 30, 31 and 32 North, Ranges 36 and 37 East, N. M. P. M., Union County, New Mexico.

The Pure Oil Company has drilled two dry holes on the unitized lands, as follows:

Well #1 - NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 13, Township 31 North,
Range 36 East.
Date commenced: 12-30-46.
Total Depth: 3514 Ft.
Plugged and abandoned: 3-1-47.

Well #2 - NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 6, Township 30 North,
Range 37 East.
Date commenced: 4-20-47.
Total Depth: 3564 Ft.
Plugged and abandoned: 5-23-47.

We respectfully request your approval of the enclosed Application for Approval of Termination of Black Mesa Unit Agreement.

If there is any additional information, or any further requirements necessary, we shall be glad to furnish same upon request.

Very truly yours,

W. C. H. H. H.

Enc. 3
Enc.

Mr. R. R. Spurrier
Santa Fe, New Mexico

FILED

APPLICATION FOR APPROVAL OF TERMINATION OF
BLACK MESA UNIT AGREEMENT
UNION COUNTY, NEW MEXICO

TO THE HONORABLE SECRETARY OF THE INTERIOR OF THE UNITED STATES
and TO THE HONORABLE COMMISSIONER OF PUBLIC LANDS OF THE STATE
OF NEW MEXICO:

Come now The Pure Oil Company, an Ohio corporation, and
respectfully requests the approval by the Secretary of the Interior of
the United States and by the Commissioner of Public Lands of the State
of New Mexico of the termination of the Black Mesa Unit Agreement I-Geo.
No. 466 covering and affecting certain lands lying and being situate in
the County of Union and State of New Mexico therein particularly described
and in support thereof would show:

That applicant, The Pure Oil Company, is the owner of in excess
of 75% on an acreage basis of the working interest rights in the unitized
land described in, covered and embraced by the Black Mesa Unit Agreement;
the said applicant being the owner of all of the working interest rights
in said unitized land.

That Section 20 of the aforesaid Unit Agreement provides for
its termination, with the approval of the Secretary of the Interior of
the United States and of the Commissioner of Public Lands of the State of
New Mexico, upon the consent of owner of 75% on an acreage basis of the
working interest rights in the unitized land and that the requisite consent
is evidenced by the execution of this application by the said The Pure Oil
Company, owner as aforesaid of in excess of 75% of the working interest
rights in unitized land.

Respectfully submitted this 18th day of July, 1937.

[Signature]
Manager, Northwestern Producing Division

WITNESSED BY:)
COUNTY OF UNION) ss.
STATE OF NEW MEXICO)

W. H. Leach, being first duly sworn upon his oath states:

That he is Manager of the Northwestern Producing Division of
The Pure Oil Company, and that he has read the above and foregoing appli-
cation for approval of the termination of the Black Mesa Unit Agreement,
and from personal knowledge he knows the content and that it therein stated
to be true and correct.

[Signature]

Subscribed and sworn to before me by W. H. Leach, this 18th
day of July, 1937.

[Signature]
Notary Public
Union County, Oklahoma

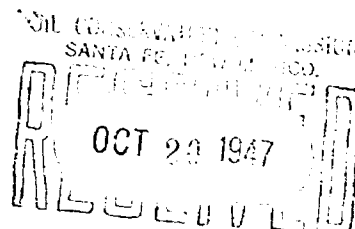
INDEXABLE

THE PURE OIL COMPANY

GENERAL OFFICES, 35 EAST WACKER DRIVE, CHICAGO

TULSA, OKLAHOMA

October 16, 1947



Mr. John E. Miles
Commissioner of Public Lands
Santa Fe, New Mexico

Dear Sir:

In connection with the termination of the Black Mesa Unit Agreement, we enclose copy of letter from H. J. Duncan, together with copy of Application for Approval of Termination of Black Mesa Unit Agreement, Union County, New Mexico.

Very truly yours,

C. E. BARNES

CEB/lb
Enc.

CC: Mr. R. R. Spurrier,
Oil Conservation Commission
Santa Fe, New Mexico

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

SEP 28 1947

The Pure Oil Company,
P. O. Box 271,
Tulsa, Oklahoma.

Gentlemen:

On September 26, 1947, W. E. Wrather, Director of the United States Geological Survey, approved termination of the Black Mesa unit agreement, Union County, New Mexico, I-Sec. No. 460. The records of the Geological Survey indicate that termination of the unit agreement was approved by the Commissioner, Public Lands for the State of New Mexico on August 5, 1947. This unit agreement was originally approved on December 2, 1946, and is terminated effective September 26, 1947.

One approved copy of your application for termination is enclosed for your record. Only two copies of approval of termination by the State of New Mexico were furnished and these have been retained to complete the files of the Survey.

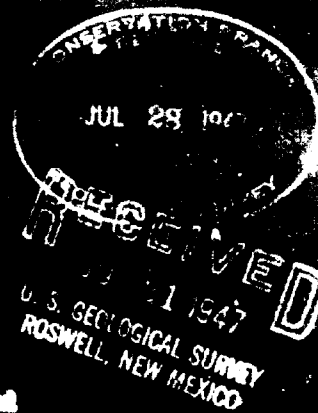
Very truly yours,


H. J. Duncan,
For the Director.

Enclosure 427.

APPROVING FOR APPROVAL BY TERMINATION OF
BLACK HORN UNIT AGREEMENT
COUNTY, NEW MEXICO

TO THE HONORABLE SECRETARY OF THE INTERIOR OF THE UNITED STATES
and TO THE HONORABLE COMMISSIONER OF PUBLIC LANDS OF THE STATE
OF NEW MEXICO:



Come now The Pure Oil Company, an Ohio corporation, and respectfully requests the approval by the Secretary of the Interior of the United States and by the Commissioner of Public Lands of the State of New Mexico of the termination of the Black Horn Unit Agreement 2-Geo. No. 149 covering and affecting certain lands lying and being situate in the County of Union and State of New Mexico therein particularly described and in support thereof would show

That applicant, The Pure Oil Company, is the owner of an interest of 75% on an average basis of the working interest rights in the unitized land described in, covered and entered by the Black Horn Unit Agreement; the said applicant being the owner of all of the working interest rights in said unitized land.

That Section 20 of the aforesaid Unit Agreement provides for its termination, with the approval of the Secretary of the Interior of the United States and of the Commissioner of Public Lands of the State of New Mexico, upon the consent of owner of 75% on an average basis of the working interest rights in the unitized land and that the requisite consent is evidenced by the execution of this application by the said The Pure Oil Company, owner as aforesaid of an interest of 75% of the working interest rights in unitized land.

Respectfully submitted this 18th day of July, 1947.

APPROVED

Director, United States Geological Survey

SEAL OF CHAIRMAN

CHARTER OF STATE

W. H. Park, being sworn, deposes and says that he is

That he is Manager of the Petroleum Products Division of The Pure Oil Company, and that he has read the Black Horn Unit Agreement and the termination of said agreement and from personal knowledge he knows the contents and terms thereof to be true and correct.

Submitted and sworn to before me by W. H. Park, this

August 1947

ILLEGIBLE

CERTIFICATE OF APPROVAL

STATE OF NEW MEXICO

The undersigned, having this day examined an agreement for the co-operative or unit operation and development of a prospective oil or gas field or area, which agreement is entitled "Black Mesa Unit Agreement, Union County, New Mexico," entered into between The Pure Oil Company, Operator, and likewise subscribed by numerous Royalty Owners, to which agreement this certificate is attached; and

WHEREAS, upon examination thereof, 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 field;

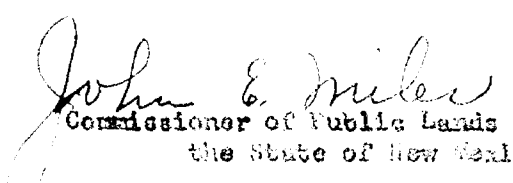
b. That under the operations proposed, the State will receive its fair share of the recoverable oil or gas in place under its lands in the area affected;

c. That the agreement is in other respects for the best interest of the State;

d. That the agreement provides for the unit operation of the field, 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, approved April 14, 1943, I, the undersigned, Commissioner of Public Lands of 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, as to the lands of the State of New Mexico included in said Black Mesa Unit Agreement, and subject to all the provisions of the aforesaid Chapter 88 of the Laws of the State of New Mexico, 1943.

Executed this 19th day of October, A. D. 1946.


Commissioner of Public Lands of
the State of New Mexico

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

APPLICATION FOR APPROVAL
OF BLACK MESA UNIT AGREEMENT,
UNION COUNTY, NEW MEXICO:

NO. _____

AMENDMENT TO PETITION

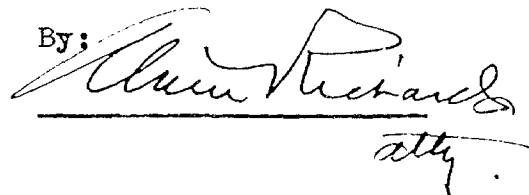
Comes now the Pure Oil Company and files this amendment to its petition heretofore filed in this cause and represents to the Commission as follows:

That in its Black Mesa Unit Agreement filed herein your petitioner inadvertently omitted a provision which should have been a part of Section 21 of said agreement, wherein it is provided that the Secretary of the Interior, under the Acts of Congress of March 4, 1931 and August 21, 1935, could alter or modify from time to time, in his discretion, the rate of prospecting and development, that provision omitted being that such action on the part of the Secretary of the Interior should be "within the limits made or fixed by this Commission".

Your petitioner prays such omission be considered as a part of its petition herein and that any approval of such agreement by this Commission or the Secretary of the Interior or the Commissioner of Public Lands be conditioned on the right and authority of this Commission to fix the rate of prospecting and development.

THE PURE OIL COMPANY

By:


attly.

NEW MEXICO OIL CONSERVATION COMMISSION,

STATE OF NEW MEXICO.

APPLICATION FOR APPROVAL OF
BLACK MESA UNIT AGREEMENT,
UNION COUNTY, NEW MEXICO.

No. _____

P E T I T I O N

Comes now the undersigned, The Pure Oil Company, and files two copies of a Unit Agreement for the development and operation of the Black Mesa Unit, Union County, New Mexico, and hereby makes application for the approval of said agreement by the New Mexico Oil Conservation Commission, and in support thereof shows:

1. That the Unit Area designated in said agreement covers 33,030.36 acres, and is situated in the northeast part of Union County, in the State of New Mexico. That of said acreage embraced within said Unit Area, 8,807.69 acres are owned by the United States of America, 8,249.94 acres are owned by the State of New Mexico, and 15,972.73 acres are privately owned; that your petitioner has valid and subsisting oil and gas mining leases, or has agreed to purchase assignments, covering the same, as to all the lands with exception of approximately 520 acres, and that said agreement has been executed by your petitioner and numerous owners of royalty interests in said lands, involving approximately 98.42% of the working interest, and approximately 94.5% of the fee or royalty interest.

2. That the area designated in said unit has heretofore been designated by the Director of the Geological Survey of the Department of the Interior as a logical area for exploration and development as a unit of any oil or gas deposits which may be discovered.

3. Your petitioner, the undersigned, designated Operator and given authority to carry on operations necessary for development and exploration of the unit area for oil and gas, subject to regulations of the Secretary of the Interior, the Commissioner of Public Lands of the State of New Mexico, and the New Mexico Oil Conservation Commission, states that under the terms thereof a test well for oil and gas is to be started within six months after effective date of a gas lease and drilled upon as a part of the unit area to a depth of not

less than six thousand (6000) feet, unless at a lesser depth a full deposit of unitized substance is discovered, or it shall be determined that further drilling would not be warranted.

4. That the proposed agreement follows substantially the same form of Unit Agreement heretofore approved by the Oil and Gas Conservation Commission, the Commissioner of Public Lands of the State of New Mexico, and Secretary of the Interior of the United States. Petitioner has submitted a copy of this agreement to the Department of the Interior of the United States, who has indicated its approval of said agreement, formal approval to be deferred and to be effective only if approved by the State of New Mexico acting through its Oil Conservation Commission and the Commissioner of Public Lands. It is believed that the operation to be carried on under the terms of this unit agreement would promote economical and efficient recovery of oil and gas, and the better utilization of reservoir energy because it provides for well spacing in accordance with such rules as may be prescribed by the Oil Conservation Commission; permits drilling, engineering, development and production practices on federal, state and privately owned lands to be conducted in accordance with the plan which has the joint approval of state and federal authorities and under a unified management, and makes possible the production of wells in the field in such a manner as may be directed by public authority so as to avoid water intrusion, waste of gas, or competitive production practices. That under this agreement the State of New Mexico will receive its share of oil or gas, which will be allocated to it on an acreage basis in any and all participating areas which may be established.

Petitioner further states that this unit area is with all respects to the best interest of the State with respect to State lands, and tends to promote the conservation of oil and gas, and to eliminate waste of these substances.

5. That upon an order being entered by the New Mexico Oil Conservation Commission approving said agreement, and after approval thereof by the Commissioner of Public Lands of New Mexico and the Secretary of the Interior of the United States, an approved copy of said agreement will be filed with the New Mexico

Oil Conservation Commission.

6. A geological report concerning the structure is marked Exhibit "A" and filed herewith. To this geological report is attached a map showing the outlines of the unit area and the structure.

WHEREFORE, the undersigned applicant respectfully requests that a public hearing be held on the matter of the approval of the said Unit Agreement, as provided by Statutes of New Mexico and regulations of New Mexico Oil Conservation Commission, and that upon said hearing said agreement be approved by the New Mexico Oil Conservation Commission.

Respectfully submitted,

THE PURE OIL COMPANY.

By


Its Attorney.

I-Sec. No. 460

BLACK MESA UNIT AGREEMENT

UNION COUNTY, NEW MEXICO

THIS AGREEMENT, entered into as of the 26th day of MARCH, 1946, by and between the parties subscribing or consenting hereto:

W I T N E S S E T H:

WHEREAS, the parties subscribing hereto are the owners of operating, royalty, or other oil or gas interests in the Unit Area subject to this agreement; and

WHEREAS, it is the purpose of the parties hereto to conserve natural resources, prevent avoidable waste and secure the other benefits obtainable through development and operation of the Unit Area subject to this agreement under the terms, conditions and limitations hereinafter set forth, under and pursuant to the provisions of Sections 17, 27, and 32 of the Act of Congress approved February 25, 1920, entitled "An Act to Promote the Mining of Coal, Phosphate, Oil, Oil Shale, Gas and Sodium on the Public Domain," 41 Stat. 443, 448, 450, as amended or supplemented by the Acts of March 4, 1931, 46 Stat. 1523, and August 21, 1935, 49 Stat. 676; 30 U.S.C. 226, 181, and 189; and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Chap. 88, Laws 1943) to consent to or approve this agreement on behalf of the State of New Mexico, insofar as it covers and includes lands and mineral interests of the State of New Mexico; and

WHEREAS, the Oil Conservation Commission of the State of New Mexico is authorized by an Act of the Legislature (Chap. 72, Laws 1935) to approve this agreement and the conservation provisions hereof;

NOW, THEREFORE, for and in consideration of the premises and the promises hereinafter contained, the parties subscribing hereto and the parties consenting hereto agree as follows:

LAWS AND REGULATIONS:

1. The Act of Congress, approved February 25, 1920, supra, as amended, the Acts of the Legislature of the State of New Mexico, (Chap. 72, Laws of 1935, and Chap. 88, Laws of 1943), and all pertinent regulations heretofore and all pertinent and reasonable regulations hereafter issued thereunder, including operating and unit plan regulations, and not inconsistent with the provisions hereof, are accepted and made a part of this agreement.

DEFINITIONS:

2. For all purposes of this agreement, certain terms used herein are defined as follows:

(a) "Secretary" shall mean the Secretary of the Interior of the United States and those persons or agencies duly authorized to act for and in his behalf.

(b) "Supervisor" shall mean the Oil and Gas Supervisor of the United States Geological Survey and those persons or agencies duly authorized to act for and in his behalf.

(c) "Commissioner" shall mean the Commissioner of Public Lands of the State of New Mexico.

(d) "Commission" shall mean the Oil Conservation Commission of the State of New Mexico and those persons duly authorized to act for and in its behalf.

(e) "Working Interest Owner" shall mean a party hereto whose interest in the unitized substances under existing contracts and under this agreement is subject to a charge for, or an obligation to pay a portion of the costs and expenses of operations hereunder.

(f) "Royalty Owner" shall mean a party hereto or consenting hereto whose interest in the unitized substances is free from any obligation, liability, or charge for and on account of the costs and expenses of operations hereunder.

(g) "Paying Quantities" shall mean a quantity of the unitized substances sufficient to repay the cost of drilling, equipping and operating the well and a small profit in addition thereto.

UNIT AREA:

3. The following described lands situated in Union County, New Mexico, are hereby designated and recognized as constituting the Unit Area:

Principal Meridian, New Mexico

Township 30 North, Range 36 East

Sections 1, 2 and 3
Section 4, NE $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$
Sections 9, 10, 11, 12, 13, 14, 15 and 16.
Sections 21, 22, 23 and 24.

Township 31 North, Range 36 East

Sections 1, 11, 12, 13 and 14.
Section 22, E $\frac{1}{2}$ SE $\frac{1}{4}$
Sections 25, 24, 25, 26 and 27.
Sections 34, 35 and 36.

Township 32 North, Range 36 East

Section 36.

Township 30 North, Range 37 East

Sections 5, 6, 7 and 8.
Section 17, Lots 1, 2, 3, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$,
NE $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$.
Sections 18 and 19.
Section 20, W $\frac{1}{2}$ NW $\frac{1}{4}$

Township 31 North, Range 37 East

Sections 5, 6, 7 and 8.
Sections 17, 18, 19 and 20.
Sections 29, 30, 31 and 32.

Township 32 North, Range 37 East

Sections 20, 29, 30, 31 and 32.

Area 33,030.36 acres, more or less.

The Unit Operator, with the consent of the owners of a majority, on an acreage basis, of the working interest rights in the unitized land and subject to the approval of the Secretary, the Commissioner and the Commission, may enlarge the unit area to include other lands believed to be productive of the unitized substances, or may with like consent and approval, diminish the unit area to exclude lands not in any participating area hereunder which are

believed to be barren of the unitized substances.

Exhibit "A" attached hereto is a map on which is outlined the herein established Unit Area, together with the ownership of the land and leases in said Area. Exhibit "B" attached hereto is a schedule showing the nature and extent of known ownerships of oil and gas rights in all land in the Unit Area. Said exhibits shall be revised by the Unit Operator whenever any change in the unit area or ownership of unitized interests renders such change necessary, and revised exhibits shall be filed with the record of this agreement.

UNITIZED SUBSTANCES
AND LAND:

4. All oil, gas, natural gasoline and associated fluid hydrocarbons producible from land subject to this agreement, in any and all sands or horizons, are unitized under the terms of this agreement and hereinafter are called "unitized substances". The term "unitized land" whenever and wherever used in this agreement is defined as and limited to that part of the land within the unit area which, on the effective date hereof, has been committed to this agreement or which, although not committed hereto on said effective date, may be admitted to unitization through the subsequent execution hereof as hereinafter provided in Section 24.

UNIT OPERATOR:

5. The Pure Oil Company, an Ohio corporation, is hereby designated as Unit Operator and by signature hereto commits to this agreement all interests in unitized substances vested in it and agrees and consents to accept the duties and obligations of Unit Operator to conduct and manage the operation of said unit area for the discovery and development of unitized substances as hereinafter provided. Herein whenever reference is made to the Unit Operator such reference is understood to mean the unit operator acting in that capacity and not as an owner of interests in unitized substances, and whenever reference is made to an owner of unitized substances, such a reference shall be understood to include any interests in unitized substances owned by the Unit Operator.

The right to resign as Unit Operator may be exercised whenever said Unit Operator is not in default under this agreement, but no Unit Operator shall be relieved from the duties and obligations of Unit Operator for a period of 3 months after notice of intention to relinquish such duties and obligations has been served on all owners of working interests and lessees subject hereto, the Commissioner, and the Secretary of the Interior, unless a new operator shall have been selected and approved and shall have assumed the duties and obligations of Unit Operator prior to the expiration of said 3-month period. The Unit Operator shall be subject to removal by the owners of working interest rights in the unitized land in like manner as herein provided for the selection of a new Unit Operator.

The parties hereto or a duly qualified new Unit Operator may purchase at its then depreciated market value all or any part of the equipment, material, and appurtenances in or upon the land subject to this agreement, owned by the retiring Unit Operator, in its capacity as such operator, or make other arrangements satisfactory to the retiring Unit Operator for the use thereof, provided that no such equipment, material, or appurtenances so selected for purchase shall be removed prior to the effective date of Unit Operator's retirement. Any equipment, material, and appurtenances not so purchased or arranged for as to the use thereof within said time limit and not necessary for the preservation of wells may be removed by the retiring Unit Operator at any time within six (6) months after his relinquishment or removal becomes effective, but if not so removed shall become the joint property of the owners of working interest rights in land then subject to this agreement. The termination of any rights as Unit Operator under this agreement shall not of itself terminate any right, title, or interest which the Unit Operator may then have in the unitized substances, but the Unit Operator shall have the right and option in connection with its resignation to reassign or retransfer to its several predecessors in interest all of its interest in the lands and leases severally acquired from them, together with its working interest in the unitized substances, and upon such delivery

be discharged from any future liability as a working interest owner hereunder; said reassignments to be effective as to said transferee thereupon, subject, however, to the approval of the Secretary as to transfers of interest in lands of the United States and subject, however, to the approval of the Commissioner as to interest in lands of the State of New Mexico.

SUCCESSOR UNIT
OPERATOR:

6. Whenever the Unit Operator shall discontinue or relinquish his rights as Unit Operator or shall fail to fulfill his duties and obligations as

Unit Operator under this agreement, the owners of the majority of the unitized working interests in the participating area on an acreage basis, or the owners of working interests according to their total acreage interest in unitized land included in the unit area until a participating area shall have been established, shall select a new Unit Operator; provided, that if less than a three-fourths majority of the working interest rights which are at any time qualified to vote in selecting a new Unit Operator are owned by one party to this agreement then a vote of at least two owners of working interests qualified to vote shall be required to select a new operator. Such selections shall not become effective until (a) a Unit Operator so selected shall agree and consent in writing to accept the duties and responsibilities of Unit Operator, and (b) the selection shall have been approved by the Secretary and the Commissioner. In the absence of the selection of an acceptable Unit Operator by the working interest owners within three (3) months after notice by Unit Operator of intention to relinquish its rights as Unit Operator, this unit agreement shall automatically terminate at the expiration of said three (3) months period; provided, however, that should a participating area or areas have been established and production of the unitized substances taken therefrom, effective only as to the lands within the participating area or areas, the said three month period shall be extended to one year if so required by the Secretary or the Commissioner.

RIGHTS AND
OBLIGATIONS
OF
UNIT OPERATOR:

7. Except as hereinafter specified, the exclusive right, privilege, and duty of exercising any and all rights of the parties signatory hereto which are necessary or convenient for prospecting for, producing, storing, and disposing of the unitized

substances are hereby vested in the Unit Operator and shall be exercised by said Unit Operator as provided in this agreement. Acceptable evidence of title to said rights shall be deposited with the Unit Operator and together with this agreement, shall constitute and define said Unit Operator's right, privileges and obligations in the premises; provided that nothing herein shall be construed to transfer any title of any kind, it being understood that under and pursuant to this agreement the Unit Operator, in its capacity as such, shall exercise the rights of possession and use vested in the parties hereto only and exclusively for the purposes herein specified. The Unit Operator shall, subject to and in accordance with the terms and provisions of the operating agreement hereinafter referred to, pay all costs and expenses of operations with respect to the unitized land, and shall charge such costs to the account of the owners of working interest rights in the unitized land in accordance with said operating agreement; no portion of such costs to be charged to the royalty owners, as such.

The development and operation of and upon any portion of the unitized land under the terms hereof shall be deemed full performance by Unit Operator of all obligations for such development and operation with respect to each and every part or separately owned tract subject to this agreement, regardless of whether there is any development of any particular part or tract of the unit area, notwithstanding anything to the contrary in any lease, operating agreement or other contract.

DRILLING
TO
DISCOVERY:

8. Within six months after the effective date of this agreement, Unit Operator shall begin operations on the unitized land to drill an adequate test well at a location to be approved by the

Supervisor, if such location is upon lands of the United States, or to be approved by the Commission if upon State or patented lands, and thereafter continue such drilling diligently until said well shall have been drilled to a depth not less than 6,000 feet unless a deposit of unitized substances which can be produced in paying quantities shall be discovered in said well at a lesser depth, or unless formation is encountered which would render further drilling inadvisable or impracticable. If said first well, drilled as aforesaid, fails to result in the discovery of unitized substances capable of being produced in paying quantities, Unit Operator or his successor shall thereupon commence within six (6) months after the completion of the former well, and drill diligently, one at a time, additional wells until a well capable of producing unitized substances in paying quantities is completed to the satisfaction of the Supervisor and Commissioner, or until it is reasonably proved that the unitized land is incapable of producing the unitized substances in paying quantities, provided, that the Secretary and the Commissioner may grant extensions of time for the commencement of any such well, and provided further that nothing herein contained shall preclude any Operator from effectively resigning as provided in Section 5 hereof before any obligation to commence a second or subsequent well accrues hereunder, and be relieved of the obligation to commence such well. Upon failure to comply with the drilling requirements of this section this unit agreement will be subject to cancellation after reasonable notice by the Secretary and the Commissioner.

PLAN OF
DEVELOPMENT
AND OPERATION:

9. Within sixty (60) days from completion of a well capable of producing the unitized substances as aforesaid, Unit Operator shall submit for the approval of the Supervisor, the Commissioner and the Commission, an acceptable plan of development and operation for the Unit Area, which plan or subsequent modifications thereof, when so approved, shall constitute the further drilling and operating obligations of the Unit Operator. Reasonable diligence shall be exercised by Unit Operator in complying with any plan of development approved hereunder. Said plan for further development and operation on like approval shall be modified from time to time whenever necessary to meet changed conditions or to protect the interests of all parties to this agreement and the further obligations of the Unit Operator shall be conformed thereto; provided further that in no event shall the Unit Operator under any such plan, or otherwise, be under any obligation to drill any well to any formation that does not afford a fair possibility for encountering the unitized substances in paying quantities. Well drilling operations, including well completions, producing practices and well abandonments, shall be in accordance with the Plan of Development and Operation. All operations hereunder shall be subject to the approval by the Supervisor as to wells on federal land and by the Commission as to wells on state and patented land.

During any period when it shall appear that an acceptable plan of development cannot be adopted because of the inability of the Supervisor, the Commissioner and the Commission to agree upon the terms thereof, the Unit Operator may, in accordance with the applicable regulations referred to in Section 1 hereof, proceed with reasonable diligence to drill other wells to determine the limits of production and to develop the productive portion of the unit area, and may and shall operate all productive wells in conformity with good operating practices, and the conservation principles of this agreement.

PARTICIPATION
AFTER
DISCOVERY:

10. Upon completion of a productive well as aforesaid, Unit Operator shall submit for the approval of the Secretary, the Commissioner and the Commission, a schedule, based on sub-divisions of the public land survey, of unitized lands then regarded as reasonably proved to be productive of unitized substances in paying quantities; all unitized land in said schedule, when approved, to constitute a participating area effective as of the date of first production. Said schedule shall set forth the percentage acreage interest of each owner of rights in the participating area thereby established. Such percentage acreage interest shall govern the allocation

of production from and after the date the participating area becomes effective and until the date of the effectiveness of an approved revision thereof. With the approval of the Secretary, Commissioner and the Commission, a separate participating area may be established for any separate deposit of unitized substances or for any group of such deposits. The participating area or areas so established shall be revised from time to time, in like manner and subject to like approval: (a) whenever such action appears proper as a result of further drilling operations, to include additional unitized land then regarded as reasonably proved to be productive in paying quantities, or (b) whenever, pursuant to Section 24 hereof, but subject to the approval therein provided for, any tract known or believed to be productive in paying quantities becomes eligible for inclusion in a participating area; and a new schedule of percentage acreage interests conformable to such revision shall thereupon be fixed. The effective date of any such enlargement shall be the date of first production from the well which reasonably demonstrates the productivity of the additional unitized land included, except that for an enlargement to embrace a tract rendered eligible for inclusion through the operation of the provisions of said Section 24 the effective date shall be the first day of the calendar month next following the date of the approval provided for in said Section 24. Additional unitized land included in an enlargement of a participating area may, but need not, be contiguous to the unitized land previously embraced thereby. Should further development following the establishing of separate participating areas demonstrate the existence of a single deposit of unitized substances rather than separate deposits, then the two or more participating areas may be consolidated as a single participating area; the effective date of such consolidation to be the date of first production from the well which demonstrates the continuity of the single deposit. No land, or any interest therein, once included in a participating area shall be excluded from such participating area on account of depletion of the unitized substances therefrom or for any cause save loss of title. In the event title to a tract of unitized land once included in a participating area or any portion thereof, or any interest therein, divided or undivided, should fail, then the net interest only on which title has failed shall be excluded from the participating area unless the owners of a majority, on an acreage basis, of the working interest rights in the participating area affected, deem impracticable the continued operation of the remaining portion of said tract, or the remaining interest therein as a part of said participating area, in which event the entire tract and all interest therein shall be excluded; otherwise, said tract, as to the portion thereof, or the net interest therein to which the title shall not have failed, shall retain its character as unitized land and continue as a part of said participating area, notwithstanding any other provision hereof. The effective date of any revision of a participating area occasioned by loss of title shall be the date of the final determination of the question of title, by judgment, decree, settlement or otherwise, unless by the terms of such determination a different date be specified. It is the intent of this Section that the participating area or areas shall at all times represent as nearly as possible the area known or reasonably estimated to be, or to have been, productive in paying quantities; but, regardless of any increase, decrease or consolidation of any participating areas, nothing herein contained shall be construed as requiring any retroactive apportionment of any sums accrued or paid for production obtained prior to the effective date of a revision thereof.

Until a participating area or areas has or have been established as herein provided, or in the absence of agreement at any time between the Unit Operator, the Secretary, the Commissioner, and the Commission as to the proper boundaries of a participating area, the portion of all payments affected by such absence of agreement, except the royalties due the United States and the State of New Mexico, may be impounded in a manner mutually acceptable to the owners of working interest rights in unitized land.

DEVELOPMENT OF
LANDS OUTSIDE
THE
PARTICIPATING
AREA:

11. It is understood that the owners of working interest rights in the unitized land are entering into an operating agreement pertaining to matters of interest only to owners of working interest rights therein, which operating agreement is and shall be subordinate to the provisions of

this unit agreement concerning operations and development in the unit area. Subject hereto, all drilling and development operations shall be conducted upon unitized land in accordance with the provisions of said operating agreement. In the event, pursuant to said operating agreement, a well be drilled by the Unit Operator, or by a working interest owner other than Unit Operator, upon unitized land not within a participating area, then (a) if such well results in production of unitized substances in quantities sufficient to justify inclusion of additional lands in a participating area either the land reasonably believed to be proven productive shall be added to an established participating area, or, if a separate deposit is discovered, a separate participating area shall be established, in the manner provided in Section 10 hereof, and the investment costs incident to the drilling and operation thereof shall be borne by certain owners of working interest rights as provided in said operating agreement; or (b) if such well be non-productive of unitized substances or results in production of unitized substances in producible quantities but in quantities insufficient to justify the inclusion of such well and the tract upon which it is located in a participating area, neither such well nor the tract upon which it is located shall be added to a participating area, or included in a separate participating area, but the investment costs incident to the drilling thereof, and if produced to the operation thereof, shall be borne by certain working interest owners on the basis provided in the aforementioned operating agreement; in such case, such well, if produced, shall be produced subject to the drilling and producing requirements hereof, and royalties in amount or value of production from such well, as well as rental charges, if any, as specified in the lease affected, shall be paid to the lessor therein by the party operating said well. The determination as to the capacity of wells drilled hereunder shall be made by the Unit Operator whose judgment exercised in good faith shall be binding and conclusive when approved by the Secretary of the Interior and the Commissioner.

ALLOCATION
OF
PRODUCTION
ROYALTIES:

12. Subject to the provisions of Section 11, all unitized substances produced under this agreement, except any part thereof unavoidably lost, or used for production and development purposes hereunder, which may be so used by the Unit

Operator royalty free, shall be deemed to be produced equally on an acreage basis from the several tracts of land of the same participating area, and for the purpose of determining any benefits that accrue on an acreage basis as a result of operations under this agreement, each such tract shall have allocated to it such percentage of said production as its area bears to the said participating area of which it is a part. Unitized substances produced from any participating area and used in conformity with good operating practice under an approved plan of operation for repressuring or cycling in the same participating area shall be free from any royalty charge.

If Unit Operator introduces gas obtained from sources other than the unitized substances into any participating area hereunder for use in repressuring, stimulation of production or increasing ultimate recovery in conformity with a plan first approved by the Supervisor, the Commissioner and the Commission, a like amount of gas less a due allowance for gas consumed in plant operations or unavoidably lost may be drawn from the formation into which the gas was introduced royalty free as to dry gas but not as to the products extracted therefrom, provided that such withdrawal shall be at such time as may be provided in the plan of operation or as may otherwise be consented to by the Supervisor, the Commissioner and the Commission, as conforming to good petroleum engineering practice, and provided further that such right of withdrawal shall terminate on the termination of the unit agreement.

Except as otherwise herein provided, royalties shall be paid or delivered as provided by existing leases or contracts, at the lease or contract rate upon the unitized substances allocated to the lease or tract. Settlement shall be made on or before the 20th day of each month for the unitized substances produced and saved during the preceeding calender month. Such royalties shall be paid by the party operating the wells, but nothing

herein shall operate to relieve the lessees, or any of them, of their primary obligation to pay rentals and royalties under the terms of their respective leases.

The right is hereby secured to the United States and the State of New Mexico under existing or future laws and regulations to elect to take their respective royalty shares in kind or value.

GOVERNMENT
ROYALTIES:

13. Royalty due the United States on account of unitized lands owned by the United States shall be computed as provided in the operating regulations and paid as to all unitized substances on the basis of the amounts thereof allocated to such land as provided herein at the rate specified in the respective federal leases; provided, that for leases on which the royalty rate depends on the daily average production per well, said average production shall be determined for each participating area in accordance with the operating regulations as though all of the unitized lands within each participating area of which such land is a part were a single consolidated lease. During the period of the national emergency declared by the President May 27, 1941, Proclamation No. 2487, 55 Stat. 1647, upon a determination by the Secretary of the Interior that a new oil or gas field or deposit has been discovered by virtue of a well or wells drilled under this agreement, the royalty on production from such new field or deposit allocated to Federal land subject to this agreement at the time of such discovery shall, during the 10-year period following the date of such discovery, be paid in value or delivered in kind at a flat rate of 12 $\frac{1}{2}$ per centum unless a lower rate is prescribed in the leases.

RENTALS:

14. Except as above provided in Section 11, the Unit Operator, on behalf of the respective lessees, shall undertake with reasonable diligence to pay all rentals of whatsoever kind on account of unitized land and shall charge the cost thereof to the appropriate parties conformably with their respective rental obligations. Rental for land of the United States subject to this agreement at the rate specified in the respective leases from the United States shall be paid, suspended, or reduced as may be determined by the Secretary pursuant to applicable law and regulations. The Unit Operator may apply the allocated royalty share of the unitized substances of the United States to repayment for rentals advanced hereunder on federal leases to the same extent as otherwise allowed in the case of an individual federal lease. Nothing herein contained shall operate to relieve any lessee of his primary obligation to pay the rentals under the terms of his respective lease or leases, or to render the Unit Operator liable to any working interest owner or other party because of any erroneous payment or failure to make timely payment of any rental which may become due.

CONSERVATION:

15. Operations and production of unitized substances shall be conducted so as to provide for the most economical and efficient recovery of unitized substances to the end that maximum ultimate yield may be obtained without waste. Production of unitized substances shall at all times be without waste as defined by or pursuant to state or federal law or regulations.

DRAINAGE:

16. Unit Operator shall take appropriate and adequate measures to prevent drainage of unitized substances from unitized land by wells on land not subject to this agreement, or with the approval of the Secretary as to federal interests and of the Commissioner as to state interests, and at the election of the Unit Operator as to private interests, pay a fair and reasonable compensatory royalty, as determined by the Supervisor as to federal interests, and the Commissioner as to state interests subject to this agreement, and by agreement between the Unit Operator and royalty owners, as to private interests.

NON-UNITIZED
LAND:

17. Any land within the unit area not subject to the terms of this agreement which is now or hereafter may be under control of any or all of the signatories to this agreement shall be developed and operated in accordance with the terms of this agreement to the extent that such development and operation shall not conflict with the contract under which control of the said land is held.

LEASES AND
CONTRACTS
CONFORMED
TO
AGREEMENT:

18. The parties hereto or consenting hereto holding interests in leases embracing unitized land of the United States or of the State of New Mexico consent that the Secretary and the Commissioner respectively may, and said Secretary and Commissioner, by their approval of this agreement, do hereby establish, alter, change or revoke the drilling, producing and royalty requirements of such leases and the regulations in respect thereto, to conform said requirements to the provisions of this agreement, but otherwise the terms and conditions of said leases shall remain in full force and effect.

The parties hereto owning interests in unitized lands other than those of the United States or the State of New Mexico, by subscribing or consenting to this agreement do hereby severally agree that the respective leases covering their several lands or interests therein may be and remain in force and effect as herein provided: (a) Until all or a portion of the unitized land covered by any such lease shall have been included in a participating area established and approved hereunder the delay rental provisions of each such lease shall be and remain as in such lease contained. (b) From and after the effective date of the inclusion of all of the unitized land covered by any such lease in a participating area established and approved hereunder, said lease shall be and is hereby extended without further delay rental obligation as to all of the unitized land covered thereby for the full term of this unit agreement. (c) From and after the effective date of the inclusion of a portion of the unitized land covered by any such lease in a participating area established and approved hereunder, all provisions of said lease relating to the payment of delay rentals shall be satisfied as to the portion of said land so included, and such lease shall be and is hereby extended as to the unitized lands covered thereby so included in a participating area without further delay rental obligation for the full term of this unit agreement. (d) After a portion of the unitized land covered by any such lease has been included in a participating area, such lease may be maintained in force and effect as to the non-included portion of the unitized land covered thereby by the payment or tender of delay rentals at the rate and in the manner specified in such lease. (e) In the event all or any portion of the unitized land covered by any such lease is not included in a participating area at the expiration of the primary term of such lease, the term of such lease is hereby extended to run concurrently with the term of this unit agreement and such lease may be maintained in force and effect during said extended term as to all or the non-included portion of the acreage covered thereby through the continued payment of delay rentals as hereinabove provided.

The Secretary, Commissioner, and, except as otherwise provided in the preceding paragraph of this Section, all parties hereto further determine, agree and consent that during the effective life of this agreement, drilling and producing operations performed by the Unit Operator upon any unitized land will be accepted and deemed to be operations under and for the benefit of all unitized leases subject hereto; that no such lease shall be deemed to expire by reason of failure to produce wells situated on land therein embraced; that if a discovery of a valuable deposit of unitized substances is made anywhere on the unitized land, each such lease in effect on or after the date of such discovery shall be deemed to continue in force and effect as to land in the unit area, so long as unitized substances are produced anywhere on unitized land in paying quantities; that prior to such discovery of unitized substances anywhere on unitized land the expiration date of each lease of Federal land shall be the date prescribed in the lease subject to such preferential right to a new lease as may be authorized

by law; and the suspension of all operations and production on the unitized land pursuant to direction or consent of said Secretary and Commissioner shall be deemed to constitute such suspension pursuant to such direction or consent with respect to each such lease, and that no lease shall expire on account of such suspension, as to land in the unit area.

The parties hereto or consenting hereto, holding interests in leases subject to this agreement embracing unitized lands other than those of the United States or of the State of New Mexico or holding interests in any other agreements that involve oil and gas rights in lands in the Unit Area, subject to the provisions of Section 4 hereof, consent and agree to the extent of their respective interests, that all such leases and agreements shall conform to the provisions of this agreement.

COVENANTS
RUN WITH
LAND:

19. The covenants herein run with the land until this agreement terminates, and any grant, transfer or lease of interest in land or leases subject hereto shall be and hereby is conditioned upon the assumption of all privileges and obligations hereunder by the grantee, transferee, lessee, or other successor in interest and as to federal land, shall be subject to approval by the Secretary and as to lands of the State of New Mexico shall be subject to the approval of the Commissioner. No transfer of any interest in and to any of the unitized lands or affecting the production therefrom shall be binding upon the Unit Operator until the first day of the next calendar month after the Unit Operator has been furnished with an original, photostatic or certified copy of the instrument of transfer.

EFFECTIVE
DATE AND
TERM:

20. This agreement shall become effective on the first day of the calendar month next following approval by the Secretary or the Commissioner, whichever last approves the same; provided that nothing herein shall be construed to waive or limit the right of the Commission to approve this agreement pursuant to state law. This agreement shall terminate five (5) years from and after its effective date unless (1) such date of expiration is extended by the Secretary and the Commissioner; or (2) a discovery of unitized substances in paying quantities has been made on unitized land, in which case this agreement shall remain in effect as long as unitized substances can be produced from the unitized land in paying quantities; or (3) it is proved at an earlier date that the Unit Area is incapable of production of unitized substances in paying quantities, and with the approval of the Secretary and the Commissioner, notice of termination is given by Unit Operator to all parties in interest by letter addressed to them at their last known address; or (4) it is terminated as provided in Sections 6 or 8 hereof; provided that, with the approval of the Secretary and the Commissioner, this agreement may be terminated at any time with the consent of the owners of 75% on an acreage basis, of the working interest rights in the unitized land.

RATE OF PROSPECT-
ING, DEVELOPMENT,
AND PRODUCTION:

21. All production and the disposal thereof shall be in conformity with allocations, allotments, and quotas made or fixed by any duly authorized person or regulatory body under any Federal or State statute; provided, that the Secretary of the Interior is vested with authority pursuant to the amendatory acts of March 4, 1931, and of August 21, 1935, supra, to alter or modify from time to time, in his discretion, the rate of prospecting and development and the quantity and rate of production under this agreement, such authority being hereby limited to alteration or modification in the public interest, the purpose thereof and the public interest to be served thereby to be stated in the order of alteration or modification; provided further that no such alteration or modification shall be effective as to any lands of the State of New Mexico as to the rate of prospecting and development in the absence of the specific written approval thereof by the Commissioner and as to any lands of the State of New Mexico or privately owned lands subject to this agreement as to the quantity and

rate of production in the absence of specific written approval thereof by the Commission.

FORCE
MAJEURE:

22. Failure or delay in the performance of the terms, conditions, and covenants hereof, shall not cause this contract to expire, terminate, or be forfeited in whole or in part, nor subject the Unit Operator or other party otherwise liable therefor to liability in damages, to the extent and so long as such prompt performance is hindered, delayed or prevented by any federal or state law, executive order, rule or regulation, or to the extent and so long as such performance is hindered, delayed or prevented by an Act of God, of the public enemy, governmental interference or restraint, inability to obtain material or equipment, labor disputes, failure of transportation, or other cause, whether similar or dissimilar, beyond the control of the party in interest.

NON-
DISCRIMINATION:

23. The Unit Operator expressly agrees that in any and all operations conducted hereunder, it shall not discriminate against any employee or applicant for employment because of race, creed, color, or national origin, and shall require an identical provision to be included in all subcontracts.

SUBSEQUENT
JOINDER:

24. Any person owning rights in the unitized substances within the unit area which have not been committed hereto prior to the effective date hereof, may nevertheless thereafter subscribe this agreement, and if such parties are working interest owners they shall also subscribe the operating agreement and comply with all terms and conditions therein set forth; provided, however, that no tract or tracts which have been, are, or may reasonably be believed to be productive of unitized substances at the time of such subsequent execution hereof, shall be thereby rendered eligible for inclusion in a participating area, without the approval and consent of the owners of a majority, on an acreage basis, of the working interest rights in the affected participating area as existing at the time of the subsequent execution; or, in the event no participating area shall have been established, no execution hereof subsequent to the effective date of this agreement shall make any tract or tracts subject to treatment hereunder as unitized land without the approval and consent of the owners of a majority, on an acreage basis, of the working interest rights in the unitized land as comprised at the time of such subsequent execution; provided, further, in no event shall any retroactive apportionment of any sums accrued or paid for production be required by reason of the execution hereof by any party subsequent to the effective date of this agreement.

CONFLICT
OF
SUPERVISION

25. Neither the Unit Operator nor the working interest owners nor any of them shall be subject to any forfeiture, termination or expiration of any rights hereunder or under any leases or contracts subject hereto, or to any penalty or liability for delay or failure in whole or in part to comply therewith to the extent that said Unit Operator working interest owners or any of them are hindered, delayed, or prevented from complying therewith by reason of failure of Unit Operator to obtain the joint consent of the representatives of the United States and the representatives of the State of New Mexico in and about any matter or thing concerning which it is required herein that such joint consent be obtained. The parties hereto and consenting hereto, including the Commission, agree that all powers and authority vested in the Commission in and by any provision of this contract are vested in the Commission and shall be exercised by it pursuant to the provisions of the laws of the State of New Mexico and subject in any case to appeal or judicial review as may now or hereafter be provided by the laws of the State of New Mexico.

LOSS OF TITLE:

26. In the event of a dispute as to title as to any interest in unitized land, Unit Operator may withhold payment on account thereof without liability for interest until the dispute is finally settled; provided that, as to Federal lands or leases, no payments of funds due the United States shall be so withheld but such funds shall be deposited with the Register of the District Land Office to be held as unearned money pending final settlement of the title dispute, and then applied as earned or returned in accordance with such final settlement.

COUNTERPARTS:

27. This agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document.

IN WITNESS WHEREOF, the parties have hereunto set their hands and have set opposite their respective names the date of execution.

UNIT OPERATOR

Date MARCH 26th, 1946

Attest:

THE PURE OIL COMPANY

Assistant Secretary.

By [Signature]
Manager, Southwestern Producing Division.

WORKING INTEREST OWNERS

Date MARCH 26th, 1946

Attest:

THE PURE OIL COMPANY

Assistant Secretary.

By [Signature]
Manager, Southwestern Producing Division.

SOLE HEIRS OF ESTATE OF BELLE STONE BARRY.

Date _____, 1946

By _____
David Barry, Jr.

Date _____, 1946

Barry.

Date _____, 1946

Ellis Lafferty.

Date _____, 1946

Charles S. Rexroad.

Date _____, 1946.

H. C. Collister

Date _____, 1946

F. H. Brierton.

Date _____, 1946

Al Andreano

Date _____, 1946

Virginia Andreano

APPROVED THIS _____ DAY OF _____, A.D. 1946

Commissioner of Public Lands of the State of New Mexico

APPROVED THIS _____ DAY OF _____, A.D. 1946

OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

By _____

STATE OF OKLAHOMA)
COUNTY OF TULSA)

On this 26th day of MARCH, 1946, before me appeared JOHN D. McNUTT, to me personally known, who, being by me duly sworn, did say that he is the Manager, Southwestern Producing Division of The Pure Oil Company, an Ohio Corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and the said JOHN D. McNUTT acknowledged said instrument to be the free act and deed of said corporation.

Given under my hand and official seal the day and year in this certificate first above written.

My Commission expires:

C. E. Barnes
Notary Public

JAN 8th 1948

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 1946, before me personally appeared David Barry, Jr. and _____ Barry, 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.

Given under my hand and official seal the day and year in this certificate first above written.

My Commission expires:

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 1946, before me personally appeared Ellis Lafferty and _____ Lafferty, 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.

Given under my hand and official seal the day and year in this certificate first above written.

My Commission expires:

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 1946, before me personally appeared Charles S. Rexroad and _____ Rexroad, 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.

Given under my hand and official seal the day and year in this certificate first above written.

My Commission expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 1946, before me personally appeared H. C. Collister and _____ Collister, 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.

Given under my hand and official seal the day and year in this certificate first above written.

My Commission expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 1946, before me personally appeared F. H. Brierton and _____ Brierton, 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.

Given under my hand and official seal the day and year in this certificate first above written.

My Commission expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 1946, before me personally appeared Al Andreano and Virginia Andreano, 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.

Given under my hand and official seal the day and year in this certificate first above written.

My Commission expires:

Notary Public

PROPOSED BLACK MESA UNIT AREA UNION COUNTY, NEW MEXICO

NEW MEXICO AND COLORADO BOUNDARY

T.
32
N.

FEE LANDS LEASED TO PURE ----- 15,332.73 ACRES

FEE LANDS 50% LEASED TO PURE 320.00 ----- 640.00 "

FEE LANDS 50% UNLEASED OWNED BY BELL BARRY 320.00 -----

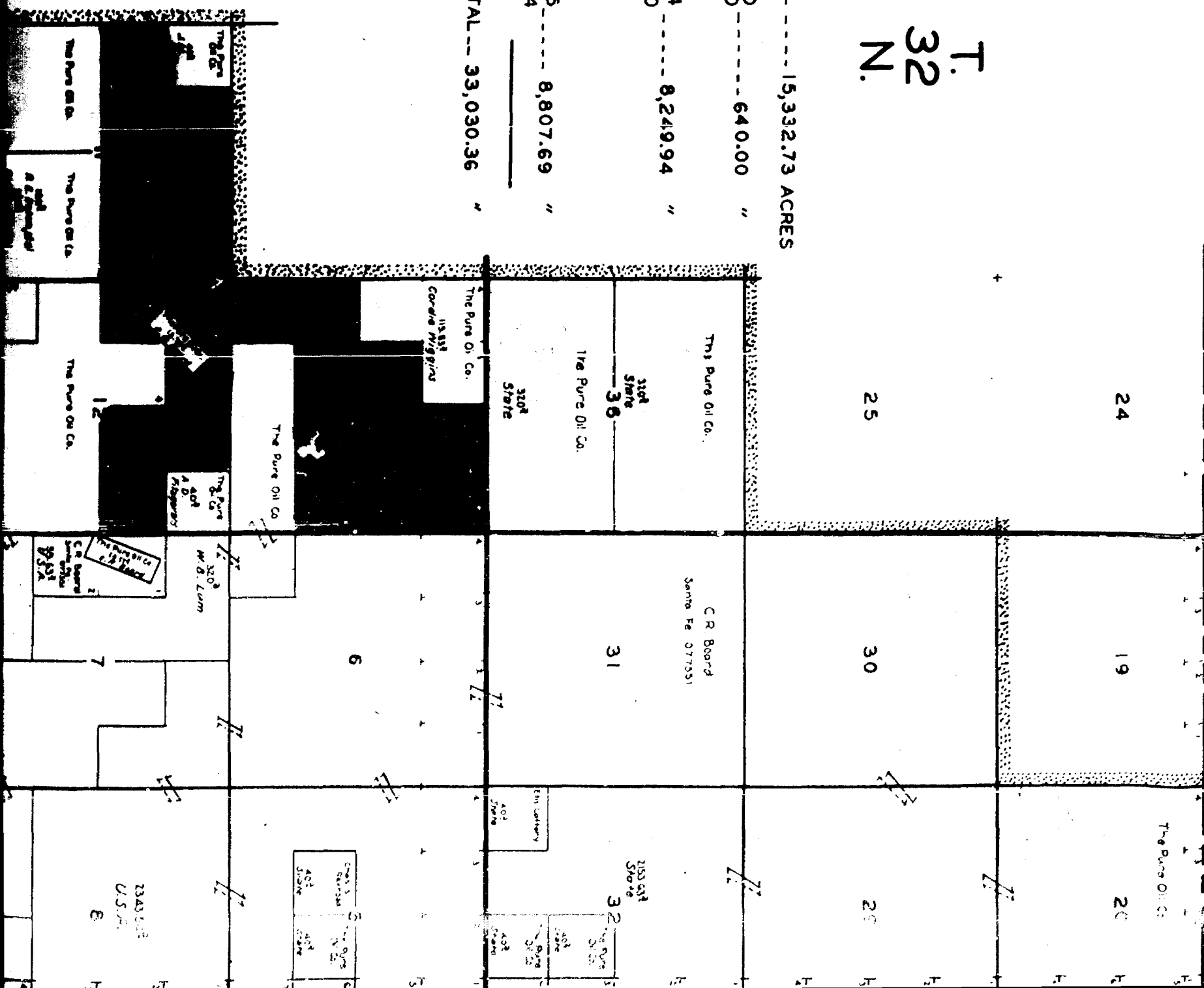
STATE LANDS LEASED TO PURE 8049.84 ----- 8,249.94 "

STATE LANDS LEASED TO OTHERS 200.00 -----

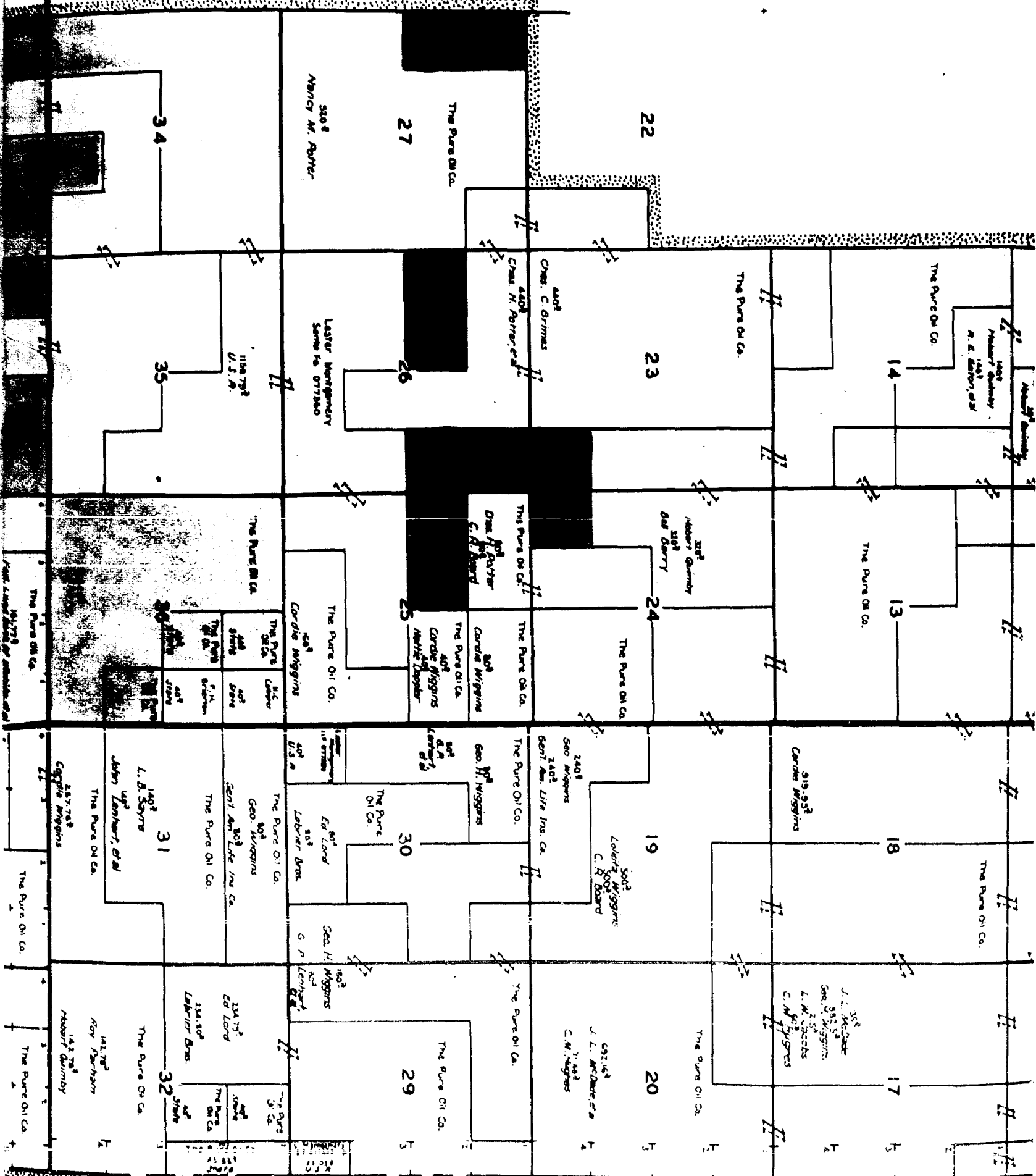
U.S.A. LANDS PURE HAS FILED APPLICATION FOR APPROVAL OF ASSGT. 7,506.45 ----- 8,807.69 "

U S A LANDS LEASED TO PURE 1,301.24 -----

BOUNDARY OF UNIT AREA ----- TOTAL 33,030.36 "



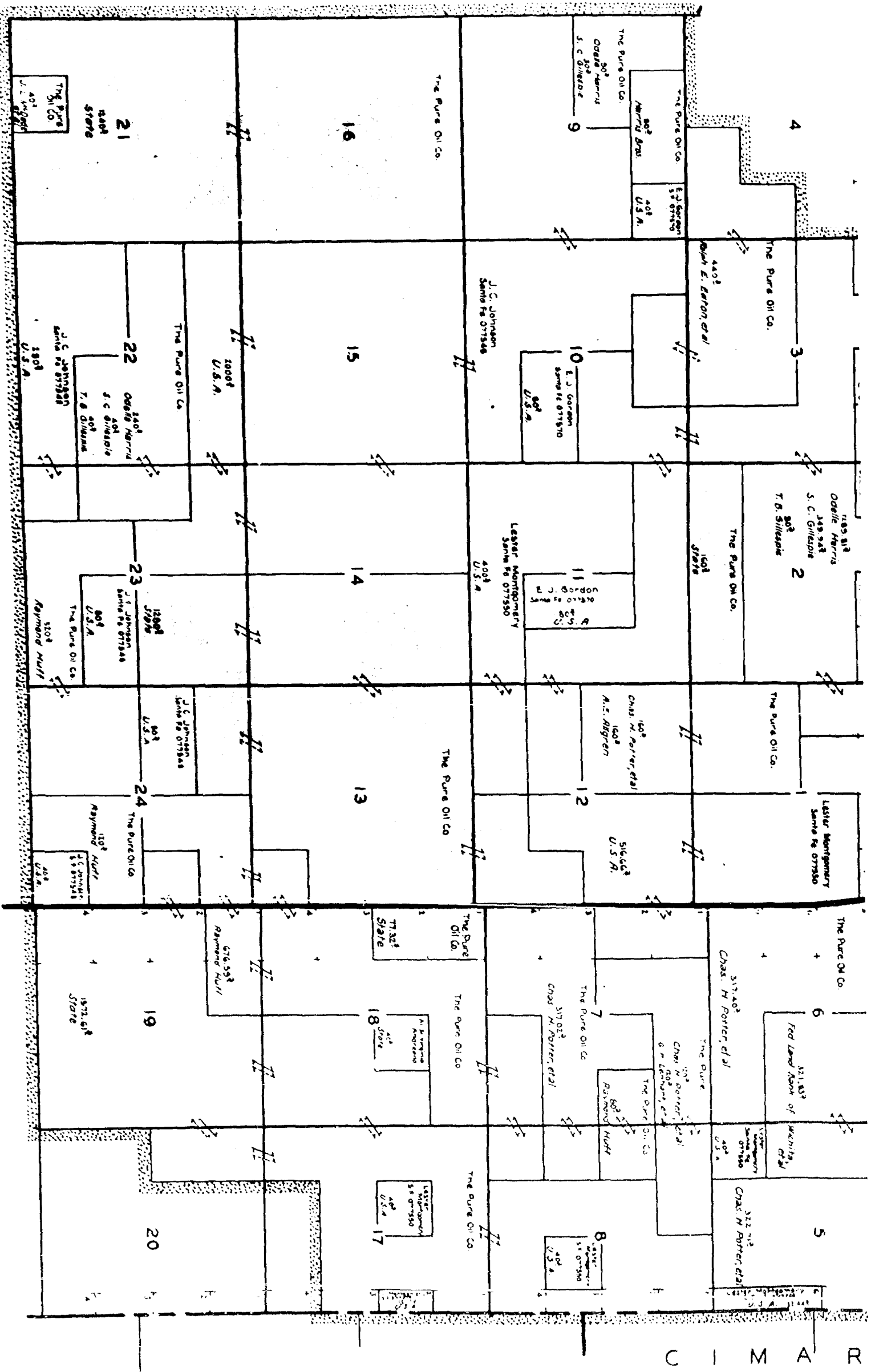
T. 31 N.



R O N

M E R I D I A N

NEW MEXICO AND OKLAHOMA BOUNDARY



C I M A R

R.36 E.

R.37 E.

EXHIBIT "B"

SCHEDULE OF OWNERSHIP OF OIL AND GAS

RIGHTS IN BLACK MESA UNIT AREA

TRACT No. 1

State of New Mexico	T 32 N, R 37 E	N. M. P. M.	2,473.63 acres
	Sec. 20, Lots 1, 2, 3, 4, 5, 6, 7, S $\frac{1}{2}$ NW, SW NE, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$		
	Sec. 29, Lots 1, 2, 3, 4, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, W $\frac{1}{2}$		
	Sec. 30, All		
	Sec. 32, Lots 1, 2, 3, 4, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$		
	T 32 N, R 36 E	N. M. P. M.	
	Sec. 36, NE $\frac{1}{4}$, NW $\frac{1}{4}$		
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 2

State of New Mexico	T 32 N, R 37 E	N. M. P. M.	40.00 acres
	Sec. 32, NW $\frac{1}{4}$ SE $\frac{1}{4}$		
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 3

State of New Mexico	T 32 N, R 37 E	N. M. P. M.	40.00 acres
	Sec. 32, SW $\frac{1}{4}$ SE $\frac{1}{4}$		
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 4

State of New Mexico	T 32 N, R 36 E	N. M. P. M.	1,856.36 acres
	Sec. 36, S $\frac{1}{2}$		
	T 31 N, R 36 E	N. M. P. M.	
	Sec. 36, W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{2}$ SE $\frac{1}{4}$		
	T 31 N, R 37 E	N. M. P. M.	
	Sec. 32, Lots 1 and 2		

TRACT No. 4 - continued

T 30 N, R 37 E N. M. P. M.
Sec. 8, Lots 1,2,3,4, $W\frac{1}{2} NE\frac{1}{4}$, $SW\frac{1}{4} SE\frac{1}{4}$, $E\frac{1}{2} SW\frac{1}{4}$, $SE\frac{1}{4} NW\frac{1}{4}$
Sec. 17, Lots 1,3, $W\frac{1}{2} NE\frac{1}{4}$, $NW\frac{1}{4} SE\frac{1}{4}$, $N\frac{1}{2} SW\frac{1}{4}$, $SW\frac{1}{4} SW\frac{1}{4}$,
 $W\frac{1}{2} NW\frac{1}{4}$, $NE\frac{1}{4} NW\frac{1}{4}$
Sec. 18, Lots 1,2, $SE\frac{1}{4}$, $SE\frac{1}{4} NE\frac{1}{4}$
Sec. 20, $W\frac{1}{2} NW\frac{1}{4}$

Basic Royalty Owner:	State of New Mexico	All
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 5

State of New Mexico	T 30 N, R 36 E N. M. P. M.	3.399.95 acres
	Sec. 2, Lots 1,2,4, $S\frac{1}{2} SW\frac{1}{4}$, $S\frac{1}{2} SE\frac{1}{4}$	
	Sec. 12, $NE\frac{1}{4} SE\frac{1}{4}$, $S\frac{1}{2} SE\frac{1}{4}$	
	Sec. 13, $N\frac{1}{2}$, $SW\frac{1}{4}$, $N\frac{1}{2} SE\frac{1}{4}$, $SW\frac{1}{4} SE\frac{1}{4}$	
	Sec. 14, $E\frac{1}{2}$	
	Sec. 16, All	
	Sec. 21, $N\frac{1}{2}$, $SE\frac{1}{4}$, $N\frac{1}{2} SW\frac{1}{4}$, $SW\frac{1}{4} SW\frac{1}{4}$	
	Sec. 23, $NE\frac{1}{4}$	
	Sec. 24, $SE\frac{1}{4} NE\frac{1}{4}$, $N\frac{1}{2} NW\frac{1}{4}$	

T 30 N, R 37 E N. M. P. M.
Sec. 19, $S\frac{1}{2}$, $NE\frac{1}{4}$, $SE\frac{1}{4} NW\frac{1}{4}$, and Lot 2

Basic Royalty Owner:	State of New Mexico	All
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 6

State of New Mexico	T 31 N, R 36 E N. M. P. M.	40.00 acres
	Sec. 36, $NW\frac{1}{4} NE\frac{1}{4}$	

Basic Royalty Owner:	State of New Mexico	All
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 7

State of New Mexico	T 31 N, R 36 E N. M. P. M.	40.00 acres
	Sec. 36, $SW\frac{1}{4} NE\frac{1}{4}$	

Basic Royalty Owner:	State of New Mexico	All
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 8

State of T 31 N, R 36 E N. M. P. M. 40.00 acres
New Mexico Sec. 36, NE $\frac{1}{4}$ SE $\frac{1}{4}$

Basic Royalty Owner: State of New Mexico All
Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 9

State of T 31 N, R 37 E N. M. P. M. 40.00 acres
New Mexico Sec. 32, NW $\frac{1}{4}$ NE $\frac{1}{4}$

Basic Royalty Owner: State of New Mexico All
Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 10

State of T 31 N, R 37 E N. M. P. M. 40.00 acres
New Mexico Sec. 32, SW $\frac{1}{4}$ NE $\frac{1}{4}$

Basic Royalty Owner: State of New Mexico All
Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 11

U. S. A. T 32 N, R 37 E N. M. P. M. 2,403.17 acres
Sec. 31, All

Santa Fe T 31 N, R 37 E N. M. P. M.
077551 Sec. 5, Lots 1, 2, 3, 4, 5, 6, 7, SW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$,
W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 6, Lots 1, 2, 3, 4, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$
Sec. 7, N $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, Lots 1 and 2
Sec. 8, Lots 1, 2, 3, 4, NW $\frac{1}{4}$ SE $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$
Sec. 17, Lot 1

Basic Royalty Owner: United States of America All
Overriding Royalty : None
Working Int. Owner : (a) The Pure Oil Company All

TRACT No. 12

U. S. A. T 31 N, R 36 E N. M. P. M. 1,301.24 acres
Sec. 1, Lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$,
N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$

Santa Fe Sec. 11, NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$
077549 Sec. 12, S $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, Lots 1, 2 and 3
Sec. 23, SE $\frac{1}{4}$ SE $\frac{1}{4}$

TRACT No. 12 - continued

Sec. 24, SW $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 25, S $\frac{1}{2}$ NW $\frac{1}{4}$
Sec. 26, E $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$
Sec. 27, W $\frac{1}{2}$ NW $\frac{1}{4}$

Basic Royalty Owner:	United States of America	All
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 13

U. S. A.	T 31 N, R 36 E	N. M. P. M.	2,383.28 acres
	Sec. 25, N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$		
	Sec. 26, SW $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$		
Santa Fe	Sec. 34, N $\frac{1}{2}$, W $\frac{1}{2}$ SW $\frac{1}{4}$		
077550	Sec. 35, NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$		

T 31 N, R 37 E N. M. P. M.
Sec. 29, Lot 4
Sec. 30, SW $\frac{1}{4}$ SW $\frac{1}{4}$

T 30 N, R 36 E N. M. P. M.
Sec. 1, SE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$
Sec. 3, Lots 1, 2 and 4
Sec. 11, SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 12, NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$

T 30 N, R 37 E N. M. P. M.
Sec. 5, SW $\frac{1}{4}$ SW $\frac{1}{4}$, Lots 6 and 7
Sec. 7, Lots 1 and 2
Sec. 8, NW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 17, SE $\frac{1}{4}$ NW $\frac{1}{4}$, and Lot 2

Basic Royalty Owner:	United States of America	All
Overriding Royalty :		None
Working Int. Owner :	(a) The Pure Oil Company	All

TRACT No. 14

U. S. A.	T 31 N, R 36 E	N. M. P. M.	240.00 acres
	Sec. 34, SW $\frac{1}{4}$ SE $\frac{1}{4}$		

Santa Fe	T 30 N, R 36 E	N. M. P. M.
077570	Sec. 9, NE $\frac{1}{4}$ NE $\frac{1}{4}$	
	Sec. 10, N $\frac{1}{2}$ SE $\frac{1}{4}$	
	Sec. 11, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$	

Basic Royalty Owner:	United States of America	All
Overriding Royalty :		None
Working Int. Owner :	(a) The Pure Oil Company	All

TRACT No. 15

U. S. A.	T 30 N, R 36 E	N. M. P. M.	2,480.00 acres
	Sec. 9, S $\frac{1}{2}$ and S $\frac{1}{2}$ NE $\frac{1}{4}$		
	Sec. 10, W $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$		

TRACT No. 15 - continued

Santa Fe
077548

Sec. 14, W $\frac{1}{2}$
Sec. 15, All
Sec. 22, N $\frac{1}{2}$ N $\frac{1}{2}$, SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 23, N $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 24, S $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

Basic Royalty Owner:	United States of America	All
Overriding Royalty :		None
Working Int. Owner :	(a) The Pure Oil Company	All

TRACT No. 16

William B. Lum

T 31 N, R 36 E N. M. P. M. 320.00 acres
Sec. 1, SE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$

T 31 N, R 37 E N. M. P. M.
Sec. 6, SW $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 7, N $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$

Basic Royalty Owner:	William B. Lum	All
	Lola L. Lum, his wife	
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 17

Arthur D.
Fitzgerald

T 31 N, R 36 E N. M. P. M. 40.00 acres
Sec. 12, NE $\frac{1}{4}$ NE $\frac{1}{4}$

Basic Royalty Owner:	Arthur D. Fitzgerald	All
	Pauline E. Fitzgerald, his wife	
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 18

Joseph Lee McDade
et al

T 31 N, R 37 E N. M. P. M. 1,080.00 acres
Sec. 7, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$
Sec. 8, S $\frac{1}{2}$ SW $\frac{1}{4}$
Sec. 17, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 18, E $\frac{1}{2}$
Sec. 19, N $\frac{1}{2}$ NE $\frac{1}{4}$
Sec. 20, NE $\frac{1}{4}$ NW $\frac{1}{4}$

Basic Royalty Owner:	Joseph Lee McDade & Viola McDade, his wife)	1/8
	Oliver McDade)
	Geo. H. Wiggins & Margaret Wiggins, his wife)	7/8
	James A. Wiggins)

Sec. 17, NW $\frac{1}{4}$ NW $\frac{1}{4}$

Basic Royalty Owner:	Joseph Lee McDade & Viola McDade, his wife)	1/8
	Oliver McDade	

TRACT No. 18 - continued

Geo. H. Wiggins & Margaret Wiggins, his wife) 13/16
James A. Wiggins)

Lysle W. Jacobs & Lela B. Jacobs, his wife 1/16

Sec. 17, NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 20, NW $\frac{1}{4}$ NW $\frac{1}{4}$

Basic Royalty Owner: Joseph Lee McDade & Viola McDade, wife) 1/8
Oliver McDade)

Geo. H. Wiggins & Margaret Wiggins, wife) 3/8
James A. Wiggins)

C. M. Hughes & Helen E. Hughes, wife) 1/2

Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 19

Cordie Wiggins T 31 N, R 36 E N. M. P. M. 1,537.60 acres
Sec. 1, SW $\frac{1}{4}$ NW $\frac{1}{4}$, Lots 3 and 4
Sec. 12, Lot 4, N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$
Sec. 13, NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$
Sec. 25, N $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$

T 31 N, R 37 E N. M. P. M.
Sec. 7, S $\frac{1}{2}$ SW $\frac{1}{4}$
Sec. 18, W $\frac{1}{2}$
Sec. 31, NE $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ S $\frac{1}{2}$

T 30 N, R 37 E N. M. P. M.
Sec. 6, Lots 3 and 4

Basic Royalty Owner: Cordie Wiggins All
Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 20

Joseph Lee T 31 N, R 37 E N. M. P. M. 763.82 acres
McDade, et al Sec. 8, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 17, NW $\frac{1}{4}$ NE $\frac{1}{4}$, Lots 2, 3, 4 and W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 20, SW $\frac{1}{4}$ NW $\frac{1}{4}$, Lots 1, 2, 3, W $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
and SW $\frac{1}{4}$

Basic Royalty Owner: Joseph Lee McDade & Viola McDade, wife) 1/8
Oliver McDade)

Geo. H. Wiggins & Margaret Wiggins, wife) 7/8
James A. Wiggins)

Sec. 17, SW $\frac{1}{4}$ NE $\frac{1}{4}$
Sec. 20, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, and Lot 4

Basic Royalty Owner: Joseph Lee McDade & Viola McDade, wife) 1/8
Oliver McDade)

TRACT No. 20 - continued

Geo H. Wiggins & Margaret Wiggins, wife) James A. Wiggins)	3/8
C. M. Hughes & Helen E. Hughes, wife)	1/2
Overriding Royalty :	None
Working Int. Owner : The Pure Oil Company	All

TRACT No. 21

Loleita Wiggins	T 31 N, R 36 E N. M. P. M. Sec. 13, S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ Sec. 14, NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24, NE $\frac{1}{4}$	1,000.00 acres
	T 31 N, R 37 E N. M. P. M. Sec. 19, NW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	
Basic Royalty Owners:	Loleita Wiggins C. R. Board & Mildred N. Board, Wife	1/2 1/2
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 22

Ralph E. Eaton et al	T 31 N, R 36 E N. M. P. M. Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$	320.00 acres
Basic Royalty Owners:	Bessie H. Ratliff & Jess Ratliff, husband) Grace E. Gilman & Cozier Gilman, husband) Arsena Hawk, Single) Roy Z. Eaton & Margretha Eaton, wife) Zarah W. Hawk, Single) Ralph E. Eaton & Lucille Eaton, wife) James G. Eaton & _____, wife) Thad Z. Eaton & Kathryn Eaton, wife)	1/2
	Cordie Wiggins	1/2
	Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$	
Basic Royalty Owner:	Eaton Heirs (Same as above) Hobart Quimby & Katherine Quimby, wife	1/2 1/2
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 23

Hobart Quimby	T 31 N, R 36 E N. M. P. M. Sec. 11, SW $\frac{1}{4}$ Sec. 14, W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$	280.00 acres
Basic Royalty Owner:	Bessie H. Ratliff & Jess Ratliff, husband) Grace E. Gilman & Cozier Gilman, husband)	

TRACT No. 23 -- continued

Arsera Hauk, single)	
Roy Z. Eaton & Margretha Eaton, wife)	
Zarah W. Hauk, single)	1/2
Ralph E. Eaton & Lucille Eaton, wife)	
James G. Eaton & _____, wife)	
Thad Z. Eaton & Kathryn Eaton, wife)	
 Hobart Quimby & Katherine Quimby, wife		1/2
 Overriding Royalty :		None
Working Int. Owner : The Pure Oil Company		All

TRACT No. 24

Hobart Quimby	T 31 N, R 36 E N. M. P. M. Sec. 14, W $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23, E $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24, NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	640.00 acres
Basic Royalty Owner:	Hobart Quimby & Katherine Quimby, wife Estate of Belle Stone Barry (Unleased)	1/2 1/2
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	1/2

TRACT No. 25

Charles C. Grimes	T 31 N, R 36 E N. M. P. M. Sec. 14, S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 22, E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 26, W $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 27, NE $\frac{1}{4}$ NE $\frac{1}{4}$	880.00 acres
Basic Royalty Owner:	Charles C. Grimes & Hanna T. Grimes, wife Chas. H. Potter & Mary E. Potter, wife C. R. Board & Mildred N. Board, wife E. P. Hunter & Lamorah A. Hunter, wife	1/2 1/4 9/40 1/40
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 26

Nancy M. Potter	T 31 N, R 36 E N. M. P. M. Sec. 27, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$, S $\frac{1}{2}$	520.00 acres
Basic Royalty Owner:	Nancy M. Potter	All
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 27

	T 31 N, R 36 E N. M. P. M.	160.00 acres
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TRACT No. 27 - continued

Chas. H. Potter Sec. 24, E $\frac{1}{2}$ SW $\frac{1}{4}$
Sec. 25, N $\frac{1}{2}$ NW $\frac{1}{4}$

Basic Royalty Owner:	Chas. H. Potter & Mary E. Potter, wife	1/2
	C. R. Board & Mildred N. Board, wife	1/2
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 28

Cordie Wiggins T 31 N, R 36 E N. M. P. M. 80.00 acres
Sec. 25, S $\frac{1}{2}$ NE $\frac{1}{4}$

Basic Royalty Owner:	Cordie Wiggins	1/2
	Hettie Doppler	1/2
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 29

Geo. H. Wiggins T 31 N, R 36 E N. M. P. M. 640.00 acres
Sec. 24, SE $\frac{1}{4}$

T 31 N, R 37 E N. M. P. M.
 Sec. 19, W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 30, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 31, NE $\frac{1}{4}$ NE $\frac{1}{4}$

Basic Royalty Owner:	Geo. H. Wiggins & Margaret Wiggins, wife	1/2
	General American Life Insurance Company	1/2
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 30

Gertrude Potter
Lenhart

Basic Royalty Owner:	Gertrude Potter Lenhart & John Lenhart, husband)	1/4
	Geo. H. Wiggins & Margaret Wiggins, wife	1/2
	Charles P. Talbot & Vesta M. Talbot, wife	1/30
	J. H. Frisbie & Edna Frisbie, wife	1/30
	John C. Johnson & Nettie E. Johnson, wife	3/20
	R. J. French & Ruby French, wife	1/30

Overriding Royalty :	None
Working Int. Owner :	The Pure Oil Company All

TRACT No. 31

T 31 N, R 37 E N. M. P. M. 629.59 Acres

TRACT No. 31 - continued

Ed Lord

Sec. 29, Lots 1, 2, 3, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$,
E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 30, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 32, NW $\frac{1}{4}$

Basic Royalty Owner:	Ross Labrier & Ina K. Labrier, wife)	1/2
	Shirley Labrier & Kathleen Labrier, wife)	
	Ed Lord & Zadia E. Lord, wife		1/2
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 32

John Lenhart

T 31 N, R 37 E N. M. P. M.
Sec. 31, S $\frac{1}{2}$ 2, N $\frac{1}{2}$ 2 SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$

280.00 acres

Basic Royalty Owner:	John Lenhart & Gertrude Potter Lenhart, wife	1/4
	Charles P. Talbot & Vesta M. Talbot, wife	1/30
	John C. Johnson & Nettie E. Johnson, wife	3/20
	R. J. French & Ruby French, wife	1/30
	J. H. Frisbie & Edna Frisbie, wife	1/30
	L. B. Sayre & Vera Sayre, wife	1/2
	John C. Johnson & Nettie E. Johnson, wife)	
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 33

Roy Parham

T 31 N, R 37 E N. M. P. M. ·
Sec. 32, Lots 3, 4, $W\frac{1}{2}$ $SE\frac{1}{4}$ & $SW\frac{1}{4}$

285.56 acres

Basic Royalty Owner:	Roy P. Parham & Gertrude Parham, wife	1/2
	Hobart Quimby & Katherine Quimby, wife	1/2
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 34

The Federal Land
Bank of Wichita

T 30 N, R 36 E N. M. P. M.
Sec. 1, Lots 1, 2, 3, & SE $\frac{1}{4}$ NW $\frac{1}{4}$

T 30 N, R 37 E N. M. P. M.
Sec. 5, Lot 4, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW
Sec. 6, Lots 1, 2, S $\frac{1}{2}$ NE $\frac{1}{2}$, N $\frac{1}{2}$ S

483.60 acres

Basic Royalty Owner:	John C. Johnson & Nettie E. Johnson, wife)	3/4
	L. B. Sayre & Vera Sayre, wife)	
	The Federal Land Bank of Wichita	1/4
	Wichita, Kansas	
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 35

Chas. H. Potter T 30 N, R 37 E, N. M. P. M. 957.13 Acres
Sec. 5, Lots 1, 2, 3, 5, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$,
E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 6, Lots 5, 6, 7, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 7, SW $\frac{1}{4}$ NE $\frac{1}{4}$, Lots 3, 4, E $\frac{1}{2}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 8, NW $\frac{1}{4}$ SW $\frac{1}{4}$

Basic Royalty Owner: Chas. H. Potter & Mary E. Potter, wife 1/2
C. R. Board & Mildred N. Board, wife 5/24
John C. Johnson & Nettie E. Johnson, wife 1/4
E. P. Hunter & Lamorah A. Hunter, wife 1/24

Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 36

Chas. H. Potter T 30 N, R 37 E N. M. P. M. 240.00 acres
Sec. 7, N $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$
Sec. 8, N $\frac{1}{2}$ NW $\frac{1}{4}$

Basic Royalty Owner: Chas. H. Potter & Mary E. Potter, wife 1/4
Gertrude Potter Lenhart & John Lenhart, husb. 1/4
Charles P. Talbot & Vesta M. Talbot, wife 1/30
John C. Johnson & Nettie E. Johnson, wife 3/20
R. J. French & Ruby French, wife 1/30
J. H. Frisbie & Edna Frisbie, wife 1/30
C. R. Board & Mildred N. Board, wife 1/4

Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 37

Raymond Huff T 30 N, R 36 E N. M. P. M. 120.00 acres
Sec. 24, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$

Basic Royalty Owner: Raymond Huff & Venny Leal Huff, his wife All
Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 38

Raymond Huff T 30 N, R 36 E N. M. P. M. 1,076.59 acres
Sec. 13, SE $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 23, S $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$
Sec. 24, N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$

T 30 N, R 37 E N. M. P. M.
Sec. 7, SE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 8, SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 18, N $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$
Sec. 19, N $\frac{1}{2}$ NW $\frac{1}{4}$

Basic Royalty Owner: Raymond Huff & Venny Leal Huff, wife All
Overriding Royalty : None
Working Int. Owner : The Pure Oil Company All

TRACT No. 39

Odelle Harris	T 31 N, R 36 E N. M. P. M. Sec. 34, E $\frac{1}{2}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35, S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	2,159.75 acres
	T 30 N, R 36 E N. M. P. M. Sec. 1, Lot 4, SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 2, Lot 3, S $\frac{1}{2}$ N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$ Sec. 3, Lot 3, S $\frac{1}{2}$ N $\frac{1}{2}$, E $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 9, W $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 10, E $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 22, S $\frac{1}{2}$ N $\frac{1}{2}$	
Basic Royalty Owner:	Odelle Harris & Elizabeth Harris, wife) Williard Harris & Mary Harris, wife) Samuel C. Gillespie	3/4 1/4
	Sec. 11, N $\frac{1}{2}$ N $\frac{1}{2}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12, N $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 22, N $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	
Basic Royalty Owner:	Odelle Harris & Eliz. Harris, wife) Williard Harris and Mary Harris, wife) Thomas B. Gillespie and Elma M. Gillespie, his wife	3/4 1/4
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 40

Chas. H. Potter	T 30 N, R 36 E N. M. P. M. Sec. 1, SW $\frac{1}{4}$ Sec. 12, NW $\frac{1}{4}$	320.00 acres
Basic Royalty Owner:	Chas. H. Potter & Mary E. Potter, wife Alonzo E. Allgren & Eva L. Allgren, wife C. R. Board & Mildred N. Board, wife	1/4 1/2 1/4
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 41

Ralph E. Eaton et al	T 30 N, R 36 E N. M. P. M. Sec. 3, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 10, NE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$	140.00 acres
Basic Royalty Owner:	Bessie H. Ratliff & Jess Ratliff, husband) Grace E. Gilman & Cozier Gilman, husband) Arsena Hawk, single) Roy Z. Eaton & Margretha Eaton, wife) Zarah W. Hawk, single) Ralph E. Eaton & Lucille Eaton, wife) James G. Eaton & _____, wife) Thad Z. Eaton & Kathryn Eaton, wife)	All
Overriding Royalty :		None
Working Int. Owner :	The Pure Oil Company	All

TRACT No. 42

Joseph Lee McDade	T 30 N, R 36 E Sec. 21, SE $\frac{1}{2}$ SW $\frac{1}{4}$	N. M. P. M.	40.00 acres
Basic Royalty Owner:	Joseph Lee McDade & Viola McDade, wife) Oliver McDade)		All
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 43

	T 31 N., R 36 E	N. M. P. M.	39.09 acres
C. R. Board	Sec. 12, 18.72 acre tract in NW $\frac{1}{4}$		
	T 31 N., R 37 E	N. M. P. M.	
	Sec. 7, 20.37 acre tract in SW $\frac{1}{4}$ MW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$		
Basic Royalty Owner:	C. R. Board and Mildred N. Board, wife		All
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 44

	T 30 N, R 36 E	N. M. P. M.	80.00 acres
Odelle Harris	Sec. 9, NW $\frac{1}{4}$	NE $\frac{1}{4}$, NE $\frac{1}{4}$	NW $\frac{1}{4}$
et al			
Basic Royalty Owner:	Odelle Harris & Elizabeth Harris, wife)		All
	Williard Harris & Mary Harris, wife)		
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 45

	T 31 N, R 36 E	N. M. P. M.	40.00 acres
Jacob M. Rutledge	Sec. 11, NW $\frac{1}{4}$ NE $\frac{1}{4}$		
Basic Royalty Owner:	Jacob M. Rutledge & Nellie G. Rutledge, wife	All	
Overriding Royalty :		None	
Working Int. Owner :	The Pure Oil Company	All	

TRACT No. 46

State of	T 31 N, R 37 E	N. M. P. M.	40.00 acres
New Mexico	Sec. 5, NE 1/4 SE 1/4		
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	The Pure Oil Company		All

TRACT No. 47

State of New Mexico	T 31 N, R 36 E Sec. 36, NE $\frac{1}{4}$ NE $\frac{1}{4}$	N. M. P. M.	40.00 acres
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	H. C. Collister		All

TRACT No. 48

State of New Mexico	T 31 N, R 36 E Sec. 36, SE $\frac{1}{4}$ NE $\frac{1}{4}$	N. M. P. M.	40.00 acres
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	F. H. Brierton		All

TRACT No. 49

State of New Mexico	T 32 N, R 37 E Sec. 32, SW $\frac{1}{4}$ SW $\frac{1}{4}$	N. M. P. M.	40.00 acres
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	Ellis Lafferty		All

TRACT No. 50

State of New Mexico	T 31 N, R 37 E Sec. 5, NE $\frac{1}{4}$ SW $\frac{1}{4}$	N. M. P. M.	40.00 acres
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	Charles S. Rexford		All

TRACT No. 51

State of New Mexico	T 30 N, R 37 E Sec. 18, SW $\frac{1}{4}$ NE $\frac{1}{4}$	N. M. P. M.	40.00 acres
Basic Royalty Owner:	State of New Mexico		All
Overriding Royalty :			None
Working Int. Owner :	Al & Virginia Andreano		All

- (a) Lease assigned to the party indicated by assignment conditioned upon its approval by the Secretary of the Interior, and further conditioned upon the approval by the Secretary of the Interior of this Unit Agreement.

[illegible]

1. The first step is to identify the problem. This involves understanding the current situation and the desired outcome. It is important to gather all relevant information and to define the scope of the problem.

P. 31 W. R. 37 E. N. H. P. H.
Dec. 5, 1900
Dec. 7, 1900

100-443888-100

New Zealand is as safe as Switzerland, and is treated as effectively as if it were so.

[illegible]

The undersigned further agree that any payment for unitized substances by reason of his, her, or its ownership in the land hereinafter described shall be allocated, computed, and paid or delivered on the basis that the unitized substances produced therefrom, or his, her, or its share thereof, shall be allocated, computed, and paid or delivered on the basis that the payment or delivery by the Unit Operator of such substances shall be made or delivery under the terms of any lease or other document in effect below hold with respect to the land hereinafter described, and the production of unitized substances by reason of his, her, or its ownership in or of the unitized substances produced therefrom.

T 31 W, R 30-2
-Sec. 12, NW 1/4 NW 1/4

being situated in Union County, New Mexico, and the
Agreement as Tract No. _____ in writing the _____
PANY.

INTERVIEW

THE UNIVERSITY OF CHICAGO

The Pure Oil Company, an Ohio corporation, and agent, dated _____, 1945, and agreement signed the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 37 E N. M. P. M.
 Sec. 7, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$
 Sec. 8, S $\frac{1}{2}$ SW $\frac{1}{4}$
 Sec. 17, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$
 Sec. 18, E $\frac{1}{2}$
 Sec. 19, NE $\frac{1}{4}$ NW $\frac{1}{4}$
 Sec. 20, NE $\frac{1}{4}$ NW $\frac{1}{4}$

 Sec. 17, NW $\frac{1}{4}$ NW $\frac{1}{4}$

 Sec. 17, NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$
 Sec. 20, NW $\frac{1}{4}$ NW $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 18, in which the Working Interest Rights are owned by: PURE OIL COMPANY, INC.

IN WITNESS WHEREOF, the undersigned has executed this agreement on the _____ day of _____, 1945.

The undersigned hereby agrees that any development and operation by the Unit Operator shall be deemed a full payment of the obligations of the undersigned to the Unit Operator under the terms of any lease or other document which the working interest owner or owners signed below with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners signed below with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein.

DESCRIPTION OF LAND

T 31 N, R 37 E N.M.P.M.

Sec 12, Twp 31 N,

This agreement is made this 1st day of January, 1951, by and between the undersigned, who are attached to said Black Mesa Unit Agreement, and the undersigned, who are attached to said Black Mesa Unit Agreement.

oil, gas, and other minerals, and the covenants and conditions contained therein, and to the extent that the same may be inconsistent with the provisions hereof, the provisions hereof shall prevail. The Pure Oil Company, an Ohio corporation, and its subsidiaries, hereinafter designated the Black Mesa Unit Agreement, and has been duly organized under the laws of New Mexico, said agreement and the record thereof being by this instrument incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lease under the control of the undersigned in and to the extent in force thereby, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil and gas substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T31N - R37E N. M. P. M.

Sec. 17, NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$
Sec. 20, NW $\frac{1}{4}$ NW $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in the Black Mesa Unit Agreement as Tract No. 18, in which the Working Interest owner or owners named below are named.

IN WITNESS WHEREOF the undersigned
appears his, her or its signature.

Date _____

Date _____

Date _____

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

T 31 N, R 36 E N. M. P. M.
Sec. 1, SW $\frac{1}{4}$ NW $\frac{1}{4}$, Lots 3 and 4

Sec. 12, Lot 4, $N\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$
 Sec. 13, NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$
 Sec. 25, $N\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$

T 31 N, R 37 E N. M. P. M.
 Sec. 7, S $\frac{1}{2}$ SW $\frac{1}{2}$
 Sec. 18, W $\frac{1}{2}$
 Sec. 31, NE $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ S $\frac{1}{2}$

T 30 N, R 37 E N. M. P. M.
Sec. 8, Lots 3 and 4

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 19, in which the Working Interest rights are owned by: **THE PURE OIL COMPANY**

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year first last before me and in the presence of the following persons, who are competent to administer oaths and to receive acknowledgments of the execution of this instrument:

[illegible]

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners signed below with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

T 51 N., R 37 E. N. M. P. M.
 Sec. 8, SW $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 17, NW $\frac{1}{4}$ NE $\frac{1}{4}$, Lots 2, 3, 4 and W $\frac{1}{2}$ SE $\frac{1}{4}$
 Sec. 20, SW $\frac{1}{4}$ NW $\frac{1}{4}$, Lots 1, 2, 3, W $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
 and SW $\frac{1}{4}$
 Sec. 17, SW $\frac{1}{4}$ NE $\frac{1}{4}$
 Sec. 20, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$ and Lot 4

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Stock Purchase Agreement. Tract No. 20. In which the Working Interest rights are owned by: **THE MASON OIL CO.**

The undersigned further agrees that any payment due him, her, or its estate, on account of the production of nitrate substances by reason of his, her, or its ownership of the land hereinafter described, shall be allocated, compared, and paid or delivered on the basis provided in said United States Bank Agreement; and that payment or delivery by the United Operator of such substances shall be made on the basis of such payment or delivery under the terms of any lease or other document which the undersigned hereby agrees to hold with respect to the land hereinafter described, or of the production of nitrate substances by reason of the use of the land, or of the interest therein, or of the unmineral substances produced therefrom.

The undersigned further agrees that any payment due him, her, or its estate, on account of the production of nitrate substances by reason of his, her, or its ownership of the land hereinafter described, shall be allocated, compared, and paid or delivered on the basis provided in said United States Bank Agreement; and that payment or delivery by the United Operator of such substances shall be made on the basis of such payment or delivery under the terms of any lease or other document which the undersigned hereby agrees to hold with respect to the land hereinafter described, or of the production of nitrate substances by reason of the use of the land, or of the interest therein, or of the unmineral substances produced therefrom.

WITNESSES

1942

Sec. 17, 1942; and
Sec. 20, 1942; and Sec. 21, 1942; and Sec. 22, 1942

being situated in Union County, New Mexico, and

the undersigned hereby agrees to hold with respect to the land hereinafter described, or of the production of nitrate substances by reason of the use of the land, or of the interest therein, or of the unmineral substances produced therefrom.

The undersigned hereby agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N. M. P. M.
Sec. 13, S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$
Sec. 14, NE $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 24, NE $\frac{1}{4}$

T 31 N, R 37 E N. M. P. M.
Sec. 19, NW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 21, in which the Working Interest rights are owned by: THE PURE OIL COMPANY

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year set forth below opposite his, her or its signature:

Date	March 27, 1946	1946	<i>Albert L. Friedrich, Jr.</i>
Date	March 27, 1946	1946	<i>Julius Whiggins</i>
Date		1946	
Date		1946	
Date		1946	

The Pure Oil Company, Inc., a corporation organized under the laws of the State of New Mexico, is the owner of the land hereinafter described, and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N. M. P. M.
 Sec. 11, N₂ SE₄, SE₄ SE₄
 Sec. 12, SW₄ SW₄
 Sec. 13, NW₄ NW₄
 Sec. 14, E₂ NE₄
 Sec. 11, SW₄ SE₄

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 22, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year set out below opposite his or its signature:

_____, 1946
 _____, 1946
 _____, 1946
 _____, 1946
 _____, 1946

Handwritten signature

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N. M. P. M.
Sec. 11, SW $\frac{1}{4}$
Sec. 14, W $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 23, in which the Working Interest rights are owned by: THE PIONEER OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year set out below opposite his, her, or its signature:

Date March 28, 1946 1946

Date March 28, 1946 1946

Date _____ 1946

Date _____ 1946

Date _____ 1946

The undersigned further agrees that any and all costs, expenses, and charges incurred by him, her, or its successors, assigns, or agents in the prosecution of the suit or suits hereinbefore mentioned shall be allocated, computed, and paid or allowed to the party or parties entitled thereto, and that payment or delivery by the landowner of the land or lands hereinbefore mentioned or delivery under the terms of any lease or other agreement for the land or lands hereinbefore mentioned shall be subject to the payment or delivery of the amount or amounts hereinbefore mentioned below held with respect to the said land or lands, and the undersigned agrees to the payment or delivery of the amount or amounts hereinbefore mentioned or of the undivided interest in the land or lands hereinbefore mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office at the City of New Mexico, this 14th day of May, 1924.

Sec. 14, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

being situated in Union County, New Mexico, and the undersigned agrees to the payment or delivery of the amount or amounts hereinbefore mentioned or of the undivided interest in the land or lands hereinbefore mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office at the City of New Mexico, this 14th day of May, 1924.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil or gas, or of the mineral substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts shall constitute a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named herein hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of oil or gas, or of the mineral substances produced therefrom, or his, her, or its ownership of said land, or of an interest therein.

DESCRIPTION OF LAND

T. 21 N., R. 10 E.

N. M. P. M.

Sec. 15, 16, SW 1/4

Sec. 17, 18, SW 1/4

Sec. 19, 20, SW 1/4

Sec. 21, 22, SW 1/4

Sec. 23, 24, SW 1/4

Sec. 25, 26, SW 1/4

Sec. 27, 28, SW 1/4

SW 1/4, SE 1/4
NW 1/4, HW 1/4, SE 1/4

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil or gas, or of the mineral substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts shall constitute a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named herein hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of oil or gas, or of the mineral substances produced therefrom, or his, her, or its ownership of said land, or of an interest therein.

oil, gas, coal, and other minerals, and the development and operation of said Black Mesa Unit Area in Union County, New Mexico, pursuant to the Black Mesa Unit Agreement of said Black Mesa Unit Area in Union County, New Mexico, between The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946; said agreement being designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N. M. P. M.

Sec. 14, S $\frac{1}{2}$ SW $\frac{1}{4}$

Sec. 22, E $\frac{1}{2}$ SE $\frac{1}{4}$

Sec. 23, W $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$, W $\frac{1}{2}$ SE $\frac{1}{4}$

Sec. 26, W $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$

Sec. 27, NE $\frac{1}{4}$ NE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 62, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year set out below opposite his, her, or its signature:

Date August 2, 1946 1946

Date August 2, 1946 1946

Date _____ 1946

Date _____ 1946

Date _____ 1946




The undersigned hereby further agrees that the development and operation by the Unit Operator pursuant to said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation pursuant to the terms of any lease or other document which the working interest owner or owners named below may have with respect to the land hereinafter described, regardless of whether there is any development or operations on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N. M. P. M.
Sec. 27, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 29, in which the Working Interest rights are owned by: THE PINE OIL CO., P.A.M.

IN WITNESS WHEREOF the undersigned has caused this instrument to be signed and sealed and later opposite his or its signature:

Date _____
Date _____
Date _____
Date _____
Date _____

do hereby agree to execute and deliver to the undersigned a deed of covenants, conditions and restrictions, to be known as the Black Mesa Unit Agreement and to be recorded in the public records of Union County, New Mexico, and to be designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth, therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E
Sec. 24, E $\frac{1}{2}$ SW $\frac{1}{4}$
Sec. 26, N $\frac{1}{2}$ NW $\frac{1}{4}$

E. M. P. M.

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 27, in which the Working Interest rights are owned by: **THE PURE OIL COMPANY**

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year set out below opposite his her or its signature:

Date March 28, 1946 1946 Charles H. Foster
Date March 28, 1946 1946 Walter H. Daard
Date March 28, 1946 1946

CONSENT AND RATIFICATION

DESCRIPTION OF LAND

STATE OF OKLAHOMA)
COUNTY OF CIMARRON) SS

BE IT REMEMBERED, That on this 28th day of March A.D., 1947, before me, a Notary Public, in and for said County and State, personally appeared C. R. Board and Mildred W. Board, husband and wife to me known to be the identical persons described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

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

My commission expires: February 21st, 1947

[Signature]
Notary Public

Black Mesa Unit Agreement is hereby made in accordance with the terms of any lease or other document which may be in effect with respect to the land hereinafter described, regardless of whether there is any assignment of the land.

The undersigned further agrees that any payment due him, her, or its ownership of the land hereinafter described, or of the unitized substances produced therefrom, or his, her, or its share of such production, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts to computed shall be made by check or delivery under the terms of any lease or other document which the undersigned agrees to be bound by below held with respect to the land hereinafter described, of any amount due the undersigned for the production of unitized substances by reason of his, her, or its ownership of said land, or of the unitized substances produced therefrom.

DEED FROM THE LAND

T 31 N, R 36 E W. M. P. M.
Sec. 25, 8 $\frac{1}{2}$ NE $\frac{1}{4}$

being situated in Union County, New Mexico, and the undersigned hereby agrees to the Black Mesa Unit Agreement as stated above, and the undersigned hereby agrees to be bound by the same.

IN WITNESS WHEREOF

... Agreement and has been, or is to be, recorded in the records of the ... and the record thereof being by this reference incorporated herein and made a part hereof.

The undersigned hereby further agrees that the development and operation by the Unit Operator ... of any lands under its control pursuant to, and in the manner set forth ... performance of all obligations for the development and operation required ... any lease or other document which the working interest owner or owners named below may hereinafter ... hereinafter described, regardless of whether there is any development or operation on the

The undersigned further agrees that any payment due him, her, or it, on account of the production of ... by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of ... substances produced therefrom, or his, her, or its share of such production, if delivered in kind, ... allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; ... payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment ... under the terms of any lease or other document which the working interest owner or owners named ... with respect to the land hereinafter described, of any amounts due the undersigned on account of ... of oil and gas substances by reason of his, her, or its ownership of said land, or of an interest therein ... substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E	N. M. P. M.
Sec. 24, SE $\frac{1}{4}$	
T 31 N, R 37 E	N. M. P. M.
Sec. 19, W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	
Sec. 30, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$	
Sec. 31, E $\frac{1}{2}$ E $\frac{1}{2}$	

... New Mexico and located in Exhibit "B" attached ...

... 1945, between ... J. C. ... of said ... and that ...

ILLUSTRATION

SS WILL K...
Date March 30 1946
Date March 3 1946
Date May 3 1946
Date _____ 1946
Date _____ 1946
By Margaret Higgins
GENERAL AMERICAN LIFE INSURANCE COMPANY
By G. Driscoll, Vice President
ATTEST:
H. F. Rollett
H. F. Rollett, Secretary

STATE OF DELAWARE
COUNTY OF CLARKE) SS

BE IT REMEMBERED, That on this 30th day of MARCH, A.D., 1946, before me, a Notary Public, in and for said County and State; personally appeared MR. H. HIGGINS and MARGARET HIGGINS, husband and wife,

_____ to me known to be the identical person described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

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

My commission expires Aug. 18, 1947 H. F. Rollett Notary Public

...this instrument and has been, or is to be, recorded in this office, and the record thereof being by this reference incorporated herein and made a part of the record hereof as set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 37 E N. M. T. M.
Sec. 29, NW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ W $\frac{1}{2}$
Sec. 30, NE $\frac{1}{4}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$
NW $\frac{1}{4}$ SW $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 80, in which the Working Interest rights are owned by: THE PURE OIL CO.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year set out below opposite his, her or its signature:

March 22, 1966 *Robert E. Nettleton*

March 22, 1966 *Robert E. Nettleton*

STATE OF NEW MEXICO
COUNTY OF UNION

CONSENT AND RATIFICATION

The undersigned (whether one or more), owner of an interest in the lands hereinafter described, or the oil, gas, natural gasoline and associated fluid hydrocarbons produced therefrom, or both, in consideration of the covenants and agreements therein contained, does hereby consent to adopt, ratify and confirm with like effect and to the same extent as if the undersigned had executed the same or a counterpart thereof, that certain agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, between The Pure Oil Company, an Ohio corporation, and others, dated 1946, said agreement being designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned further agrees that the development and operation of the Black Mesa Unit Area under said Black Mesa Unit Agreement shall be subject to the provisions of the Black Mesa Unit Agreement and the record thereof, and that the undersigned shall not be entitled to any royalty or other consideration in connection with the development and operation of the Black Mesa Unit Area under said Black Mesa Unit Agreement, except as may be provided in the Black Mesa Unit Agreement.

The undersigned further agrees that any payment or other consideration to be made by the Black Mesa Unit Agreement shall be made to the Black Mesa Unit Agreement, and that the undersigned shall not be entitled to any payment or other consideration in connection with the development and operation of the Black Mesa Unit Area under said Black Mesa Unit Agreement, except as may be provided in the Black Mesa Unit Agreement.

DESCRIPTION OF LAND

STATE OF OKLAHOMA -)
COUNTY OF CIMARRON) SS

BE IT REMEMBERED, That on this 28th day of March, A.D., 1946, before me, a Notary Public, in and for said County and State, personally appeared John C. Johnson and Nettie E. Johnson, husband and wife; George H. Wiggins and Margaret Wiggins, husband and wife; R. J. French and Ruby French, husband and wife and J. H. Frisbie and Edna Frisbie, husband and wife to me known to be the identical persons described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

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

My commission expires: August 18th, 1947

CR. Broad

The undersigned (whether one or more) do hereby agree that the development and operation of the land hereinafter described for the production of oil, gas, mineral substances and associated substances shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 37 E, N. M. P. M.
Sec. 31, S $\frac{1}{2}$ N $\frac{1}{2}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 32, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument on the day and date hereinafter written opposite his, her or its signature:

Date March 26, 1946

Date _____

Date _____

Date _____

Date _____

STATE OF NEW MEXICO

COUNTY OF UNION

BE IT REMEMBERED, that on this _____ day of _____, 1946, at _____, New Mexico, _____, County Clerk of said County, has caused to be recorded this instrument.

CONSENT AND RATIFICATION

The undersigned (whether one or more), owner of an interest in the lands hereinafter described, or the oil, gas, natural gasoline and associated fluid hydrocarbons produced therefrom, or both, in consideration of the covenants and agreements therein contained, does hereby consent to, adopt, ratify and confirm with like effect and to the same extent as if the undersigned had executed the same or a counterpart thereof, that certain agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, between The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946; said agreement being designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if hereby set out in full.

The undersigned, hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall constitute full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the lands hereinafter described, regardless of whether there is any development or operation on said lands.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances, or as an owner, his, her, or its ownership of the land hereinafter described or of an interest therein, or of the production of substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be computed and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and any payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment on account of the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, if any amounts due the undersigned on account of the production of unitized substances, or as an owner, his, her, or its ownership of said land or of an interest therein or of the production of substances produced therefrom.

DESCRIPTION OF LAND

STATE OF OKLAHOMA)
COUNTY OF CIMARRON) SS

Before me the undersigned, a Notary Public, in and for said County and State on this 26th day of March, 1946, personally appeared John C. Johnson and Nettie E. Johnson, husband and wife; R. J. French and Ruby French, husband and wife; and J. H. Frisbie and Edna Frisbie, husband and wife, to be known to be the identical persons who executed the within and foregoing instrument 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.

Given under my hand and seal the day and year last above written.

Notary Public in and for the State of Oklahoma, August 15th, 1946.

terms of any lease or other agreement in respect to the land hereinafter described land.

- The undersigned further agrees that any proceeds from the sale of the substances by reason of his, her, or its ownership, or the proceeds from the sale of the unrefined substances produced therefrom, or the sale of the refined substances, shall be allocated, computed, and paid or delivered on the basis provided in the above schedule, and that payment or delivery by the Unit Operator to the Government of the United States or delivery under the terms of any lease or other agreement, shall be deemed to be made below hold with respect to the land hereinafter described. It is also understood that the undersigned the production of natural substances, or the production of refined substances, or the production of or of the substances produced therefrom, shall be deemed to be made below hold with respect to the land hereinafter described. It is also understood that the undersigned

Sec. 1. 1900

being involved in Union County, Kansas and
 Government and the State.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall constitute a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 37 E N. M. P. M.
Sec. 32, Lots 3, 4, W $\frac{1}{2}$ SE $\frac{1}{4}$, and SW $\frac{1}{4}$.

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 33, in which the Working Interest rights are owned by: **THE PURE OIL COMPANY**

WITNESS WHEREOF the undersigned has executed this instrument the day and year set out below

CONSENT AND RATIFICATION

The undersigned (whether one or more), owner of an interest in the lands hereinafter described, or the oil, gas, natural gasoline and associated fluid hydrocarbons produced therefrom, or both, in consideration of the covenants and agreements therein contained, does hereby consent to, adopt, ratify and confirm with like effect and to the same extent as if the undersigned had executed the same or a counterpart thereof, that certain agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, between The Pure Oil Company, an Ohio corporation, and others, dated January 1, 1946, said agreement being designated the Black Mesa Unit Agreement and has been, as to the undersigned, duly recorded in Union County, New Mexico, said agreement and the record thereof being by this reference made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the compliance with the provisions of said unit agreement shall be deemed a full performance of all obligations for the development and operation of unit under the terms of any lease or other document which the working interest owner or owners of the lands hereinafter described hold with respect to the land hereinafter described together with all the covenants and agreements contained in said land.

The undersigned further agrees that any and all substances produced from the lands hereinafter described shall be all entitled to be computed and delivered to the unit operation of such unit as computed and delivered under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, and the proceeds from the sale of the production of unit substances by means of the unit operation shall be distributed to the interest therein or of the unit substances produced therefrom.

DESCRIPTION OF LAND

STATE OF OKLAHOMA
COUNTY OF OKFUSKEE

SS

BE IT REMEMBERED, That on this 28th day of March A.D., 1946, before me, a Notary

Public, in and for said County and State, personally appeared ROY PARHAM and GERTRUDE PARHAM, husband and wife

to me known to be

the identical persons described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

IN WITNESS WHEREOF, I have hereunto set my official signature and affixed my notarial seal, the day and year first above

The undersigned hereby agrees that the amount of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement, or of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement, shall be allocated, computed and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment of the amount of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement, or of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement, shall be deemed a full payment or delivery of the amount of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement, or of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement, to the working interest owner or owners of said land, or of an interest therein, in the amount due the undersigned on account of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement, or of the production of any substance by reason of the use of the land described in the Black Mesa Unit Agreement.

IN WITNESS WHEREOF, I have hereunto set my hand and seal of office, at the City of Phoenix, Arizona, this 1st day of January, 1961.

By _____, Secretary of said Black Mesa Unit

The undersigned (hereinafter referred to as the "Unit Operator") hereby agrees to develop and operate the oil and gas lands hereinafter described and to the extent of the unit interest therein for the development and operation of the Black Mesa Unit Agreement and the related thereto being by this reference incorporated herein as a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 30 N, R 37 E N. M. P. M.
Sec. 5, Lots 1, 2, 3, 5, SW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$
E $\frac{1}{2}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 6, Lots 5, 6, 7, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, and S $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 7, SW $\frac{1}{4}$ NE $\frac{1}{4}$, Lots 3, 4, E $\frac{1}{2}$ SW $\frac{1}{4}$, and N $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 8, NW $\frac{1}{4}$ SW $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 55, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has caused this instrument to be signed and sealed at his office opposite his, her or its signature:

Date _____
Date _____
Date _____
Date _____
Date _____

CONSENT AND RATIFICATION

The undersigned (whether one or more), owner of an interest in the lands hereinafter described, or the oil, gas, natural gasoline and associated fluid hydrocarbons produced therefrom, or both, in consideration of the covenants and agreements therein contained, does hereby consent to, adopt, ratify and confirm with like effect and to the same extent as if the undersigned had executed the same or a counterpart thereof, that certain agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, between The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946; said agreement being designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or its on account of the production of oil, gas, natural gasoline, or other substances produced therefrom, or his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unit oil, gas, natural gasoline, or other substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be ascertained, computed and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of oil, gas, natural gasoline, or other substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unit oil, gas, natural gasoline, or other substances produced therefrom.

DESCRIPTION OF LAND

STATE OF OKLAHOMA
COUNTY OF POTEOTOC

SS

BE IT REMEMBERED, That on this 3rd day of April A.D., 19 46, before me, a Notary Public, in and for said County and State, personally appeared C. R. BOARD and MILDRED N. BOARD, husband and wife, and E. P. HUNTER and LAMORAH A. HUNTER, husband and wife,

_____ to me known to be the identical person s described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

IN WITNESS WHEREOF, I have hereto set my official signature and affixed my notarial seal, the day and year first above

...and operation by the Unit Operator under said Agreement, and in the manner set forth therein; and the interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land, the right to receive any payment due him, her, or it, for account of the production of unitized oil or gas from the land hereinafter described or of an interest therein, or of any share of such production, if delivered in kind, on the basis provided in said Black Mesa Unit Agreement; and the interest owner or owners named below shall be deemed a full payment of any amounts so computed shall be deemed a full payment of any amounts due the undersigned on account of the production of oil or gas from the land hereinafter described, of any amounts due the undersigned on account of the production of oil or gas from the land hereinafter described, or of an interest therein.

DESCRIPTION OF LAND

[Illegible signature] N. M. P. M.

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Agreement as Tract No. 36, in which the Working Interest rights are owned by the undersigned PANY.

IN WITNESS WHEREOF the undersigned has executed this instrument at the City of _____, State of _____, this _____ day of _____, 1946, opposite his, her or its signature:

Date March 26 1946 *[Signature]*
 Date March 26 1946 *[Signature]*
 Date _____ 1946 _____
 Date March 26 1946 *[Signature]*
 Date March 26 1946 *[Signature]*
March 26, 1946 *[Signature]*

STATE OF NEW MEXICO
 COUNTY OF UNION

DRAFT RECORDING INSTRUMENT

CONSENT AND RATIFICATION

The undersigned (whether one or more) owner of an interest in the land, oil, gas, natural gasoline and associated therewith various products, therefrom, and the covenants and agreements therein contained, does hereby consent to all that is herein contained to the same extent as if the undersigned had executed the same in person, and to the development and operation of the Black Mesa Unit in and about the State of New Mexico, said agreement and the record thereof being by this reference and the record thereof being by this reference and the record thereof being by this reference.

MEMORANDUM OF NOTARIAL ACT
2612 March 46
Notary Public in and for the State of Oklahoma, Charles P. Talbot and wife
Vesta M. Talbot, and John Lenhart and wife Gertrude Potter Lenhart

to me known to be the identical persons described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

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

My commission expires May 3, 1948. *Charles P. Talbot* Notary Public

STATE OF OKLAHOMA
COUNTY OF CIMARRON } SS

BE IT REMEMBERED, That on this 26th day of MARCH A.D., 1946, before me, a Notary Public, in and for said County and State, personally appeared C. P. BOARD and MILDRED M. BOARD, husband and wife.

to me known to be the identical persons described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

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

My commission expires January 8, 1948. *Charles P. Talbot* Notary Public

CONSENT AND RATIFICATION

Charles E. Talbot and wife Gertrude Talbot
Vesta M. Talbot, and John Lenhart and wife Gertrude Potter Lenhart

the identical persons described in and who executed the within and foregoing instrument and acknowledged to me that they executed the same as their free and voluntary act and deed for the uses and purpose therein set forth.

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

My commission expires May 3, 1948. John T. Ward Notary Public

STATE OF OKLAHOMA }
COUNTY OF CLINTON } SS

BE IT REMEMBERED, That on this 26th day of MARCH A.D. 1916, before me, a Notary Public, in and for said County and State, personally appeared G. B. BOARD and MILDRED M. BOARD, husband and wife.

_____ to me known to be
_____ identical person _____ described in and who executed the within and foregoing instrument and acknowledged to me that they
_____ as their free and voluntary act and deed for the uses and purpose therein set forth.

IN WITNESS WHEREOF, I have hereunto set my official signature and affixed my notarial seal, the day and year first above

The undersigned further agrees that the cost of the substances by reason of his, her, or its ownership of the land hereinafter described shall be deemed a part of the cost of the land and shall be allocated, computed, and paid or delivered on the basis provided for in the terms of any lease or other agreement which the undersigned may hereafter enter into with respect to the land hereinafter described, regardless of whether the land is leased or sold.

The undersigned further agrees that any payment due him, her, or its ownership of the land hereinafter described for the production of unitized substances produced therefrom, or his, her, or its ownership of the land hereinafter described shall be allocated, computed, and paid or delivered on the basis provided for in the terms of any lease or other agreement which the undersigned may hereafter enter into with respect to the land hereinafter described, regardless of whether the land is leased or sold, and that payment or delivery by the Unit Operator of such substances produced therefrom, or his, her, or its ownership of the land hereinafter described, shall be allocated, computed, and paid or delivered on the basis provided for in the terms of any lease or other agreement which the undersigned may hereafter enter into with respect to the land hereinafter described, regardless of whether the land is leased or sold, and that payment or delivery by the Unit Operator of such substances produced therefrom, or his, her, or its ownership of the land hereinafter described, shall be allocated, computed, and paid or delivered on the basis provided for in the terms of any lease or other agreement which the undersigned may hereafter enter into with respect to the land hereinafter described, regardless of whether the land is leased or sold.

DISCLAIMER OF INTEREST

T 30 N, R 33 E
Sec. 24, N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ E. N. P. M.

being situated in Union County, New Mexico, and described in the Agreement in the above title, in which the undersigned is a party.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal of office, at Santa Fe, New Mexico, this 1st day of April, 1954.

the undersigned further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall constitute a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N. M. P. M.
Sec. 34, E $\frac{1}{2}$ SW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, and SE $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 35, S $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, and SE $\frac{1}{4}$ SE $\frac{1}{4}$

T 30 N, R 36 E N. M. P. M.
Sec. 1, Lot 4 and SW $\frac{1}{4}$ NW $\frac{1}{4}$
Sec. 2, Lot 3, S $\frac{1}{2}$ N $\frac{1}{2}$, and N $\frac{1}{2}$ S $\frac{1}{2}$
Sec. 3, Lot 3, S $\frac{1}{2}$ N $\frac{1}{2}$, and E $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 9, W $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$
Sec. 10, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$
Sec. 22, S $\frac{1}{2}$ E $\frac{1}{2}$

Sec. 21, E $\frac{1}{2}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 23, E $\frac{1}{2}$ NW $\frac{1}{4}$
Sec. 24, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$

The undersigned further agrees that the land hereinafter described is designated in Exhibit "B" attached to said Black Mesa Unit Agreement and that the land hereinafter described is owned by: THE PURE OIL COMPANY

The undersigned further agrees that the land hereinafter described is owned by: THE PURE OIL COMPANY

CONSENT AND RATIFICATION

The undersigned (whether one or more), owner of an interest in the lands hereinafter described, or the oil, gas, natural gasoline and associated fluid hydrocarbons produced therefrom, or both, in consideration of the covenants and agreements therein contained, does hereby consent to, adopt, ratify and confirm with like effect and to the same extent as if the undersigned had executed the same or a counterpart thereof, that certain agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, between The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946; said agreement being designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth in the said agreement, shall be deemed a full performance of all obligations for the development and operation of any lands under the terms of any lease or other document which the working interest owner or owners named below have or have not with respect to the land hereinafter described, regardless of whether there is any development or operation of such land.

The undersigned further agrees that any payment due to him or her by the Unit Operator with respect to the production of oil, gas, natural gasoline and associated fluid hydrocarbons from the lands hereinafter described, or from the production of oil, gas, natural gasoline and associated fluid hydrocarbons from the unitized substances produced therefrom, or from the production of such unitized substances, shall be all until a unitized substance is delivered to the Unit Operator, and that payment or delivery by the Unit Operator of such unitized substances shall be deemed a full performance of delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, regardless of whether there is any production of oil, gas, natural gasoline and associated fluid hydrocarbons from the lands hereinafter described, or from the production of such unitized substances, or from the production of unitized substances by reason of his her or its ownership of said land and of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N., R 33 E.
Sec. 34, T 31 N., R 33 E., and 31 N. E. 1/4
Sec. 35, T 31 N., R 33 E., and 31 N. E. 1/4

T 31 N., R 33 E.
Sec. 34, T 31 N., R 33 E., and 31 N. E. 1/4

STATE OF New Mexico
COUNTY OF Union } ss

BE IT REMEMBERED, That on this 27th day of March A.D., 19 46, before me, a Notary

Public, in and for said County and State, personally appeared Thomas B. Gillespie and wife
Wm. H. Gillespie, and Samuel C. Gillespie, a widower,

to me known to be

the persons who executed the within and foregoing instrument and acknowledged to me that they
executed the same for the purposes and purposes therein set forth.

I have hereunto set my official signature and affixed my notarial seal, the day and year first above

Charles B. Gillespie

... 1946; said agreement being de-
scribed in the instrument recorded in these records of Union County,
and the same being by this reference incorporated herein and made a part
of this instrument.

... further agrees that the development and operation by the Unit Operator under said
agreement of any lands under its control pursuant to, and in the manner set forth therein,
shall constitute the fulfillment of all obligations for the development and operation required under the
agreement or other document which the working interest owner or owners named below may hold with
the land hereinafter described, regardless of whether there is any development or operation on said

... further agrees that any payment due him, her, or it, on account of the production of unitized
oil or gas from said land, her, or its ownership of the land hereinafter described or of an interest therein, or of
any other substances produced therefrom, or his, her, or its share of such production, if delivered in kind,
shall be deemed a full payment and paid or delivered on the basis provided in said Black Mesa Unit Agreement;
and the delivery by the Unit Operator of such amounts so computed shall be deemed a full payment
under the terms of any lease or other document which the working interest owner or owners named
below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of
the production of oil or gas or other substances by reason of his, her, or its ownership of said land, or of an interest therein
or of any other substances produced therefrom.

DESCRIPTION OF LAND

T 30-N, R 36-E N. M. P. M.
Sec. 1, SW 1/4
Sec. 12, NW 1/4

STATE OF OKLAHOMA }
COUNTY OF EDMONDSON } 25

... That on this 28th day of March A.D., 1946, before me,
... for said County and State, personally appeared C. R.
... husband and wife to me known to be the identical
... and who executed the within and foregoing instrument
... that they executed the same in their free and voluntary
... and purpose therein set forth.

... I have hereunto set my official signature and
...
... 1947
...

...in the lands hereinafter described, or the ... thereof, as both, in consideration of the ... in effect ... and confirm with like effect ... as a counterpart thereof, that certain agree- ... Unit Area in Union County, New Mexico, between ... 1946; said agreement being de- ... Agreement and has been, or is to be, recorded in the records of Union County, ... and the record thereof being by this reference incorporated herein and made a part ... set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall constitute full performance of all obligations for the development and operation required under the ... or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and any payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 30 N, R 36 E N. M. P. M.
Sec. 1, SW $\frac{1}{4}$
Sec. 12, NW $\frac{1}{4}$

being situated in Union County, New Mexico, and contained in ... Agreement in ...

IN WITNESS WHEREOF

opposite the undersigned

Date _____

Date _____

of production and development and the forced thereby being by this instrument as if herein set out in full.

The undersigned hereby further agrees that the development and production of oil, gas, and other minerals from any lands under its control pursuant to any lease or other document shall be deemed a full performance of all obligations for the development and production of oil, gas, and other minerals under the terms of any lease or other document which the working interest owner or owners owned or own with respect to the land hereinafter described, regardless of whether there is any development or production on the land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil, gas, and other minerals by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners owned or own below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 30 N, R 36 E N. E. & P. M.
Sec. 21, SE $\frac{1}{4}$ SW $\frac{1}{4}$

located in Union County, New Mexico, and designated in Exhibit "B" as Tract No. 1, in which the Working Interest owner or owners are named.

...the Black Mesa Unit Agreement...
New Mexico, said agreement and the...
hereof as effectively as if it had been made in full.

The undersigned hereby further agrees that the...
Black Mesa Unit Agreement of any kind...
shall be deemed a full performance of all obligations...
terms of any lease or other document which the working interest...
respect to the land hereinafter described, regardless of whether there is any...
land.

The undersigned further agrees that any payment due him, her, or it, on...
substances by reason of his, her, or its ownership of the land hereinafter...
the unitized substances produced therefrom, or his, her, or its share of...
shall be allocated, computed, and paid or delivered on the basis provided to...
and that payment or delivery by the Unit Operator of such amounts as...
or delivery under the terms of any lease or other document which the working...
below hold with respect to the land hereinafter described, of any amounts...
the production of unitized substances by reason of his, her, or its ownership of...
or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 51 N, R 36 E N. M. P. M.
Sec. 12, 18.72 acre tract in NW 1/4

T 51 N, R 37 E N. M. P. M.
Sec. 7, 20.37 acre tract in SW 1/4, NW 1/4, SW 1/4

being situated in Union County, New Mexico, and designated in Exhibit...
Agreement as Tract No. 1, in which the Working Interest shall be...
PANY.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal...

...in the records of Union County, ...the following incorporated herein and made a part

...the development and operation by the Unit Operator under said ... in the manner set forth therein, ... of all obligations for the development and operation required under the ... which the working interest owner or owners named below may hold with ... described, regardless of whether there is any development or operation on said

The undersigned hereby agrees that any payment due him, her, or it, on account of the production of unitized ... or its ownership of the land hereinafter described or of an interest therein, or of ... therefrom, or his, her, or its share of such production, if delivered in kind, ... and paid or delivered on the basis provided in said Black Mesa Unit Agreement; ... of such amounts so computed shall be deemed a full payment ... or other document which the working interest owner or owners named ... of any amounts due the undersigned on account of ... of his, her, or its ownership of said land, or of an interest therein

DESCRIPTION OF LAND

T. 10 N., R. 10 E., S. 1 N.
Sec. 3, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

...in Exhibit "B" attached to said Black Mesa Unit ... by: THE PURE OIL COM-

... set out below

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E M. E. P. E.
Sec. 11, NW 1/4 NW 1/4

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 45, in which the Working Interest rights are owned by: THE PURE OIL COMPANY

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year set out below

1968

Date _____

Date _____ 1946

Date _____

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ASSIGNMENT

The undersigned Edgar J. Gordon, of Boise City, Oklahoma, Lessee in that certain oil and gas lease Santa Fe Serial No. 077670, dated December 12, 1944, covering certain land in Union County, New Mexico, therein particularly described, having heretofore, by assignment of date the _____ day of _____, 1946, subject to the approval of the Secretary of the Interior (a) of said assignment, and (b) of the Black Mesa Unit Agreement, assigned the said lease to The Pure Oil Company in so far as it covers all of the lands embraced thereby, said lands being designated as Tract No. 14 in Exhibit "B" attached to the said Black Mesa Unit Agreement, being lands described as follows:

TRACT NO. 14

T. 34 N., R. 34 E., S. 1 N., P. 1 M.
Sec. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ASSIGNMENT

The undersigned C. H. Smith, of Denver City, Oklahoma, Lessee in and assignor of the lease to the United States, dated December 14, 1922, covering certain land in Tulsa County, now located, therein particularly described, having heretofore, by assignment of date the ____ day of _____, 1922, subject to the approval of the Secretary of the Interior (a) of said assignment, and (b) of the Leasehold Agreement, assigned the said lease to the Pure Oil Company in so far as it covers all of the lands embraced thereby, said lands being designated as Tract No. 11 in Exhibit "B" attached to the said Leasehold Agreement, being lands described as follows:

Tract No. 11

1 31 2, 3 31 2 N. 24. E. 2.
Sec. 31, T. 31 N., R. 24 E., S. 2.
Sec. 32, T. 31 N., R. 24 E., S. 2.
Sec. 33, T. 31 N., R. 24 E., S. 2.
Sec. 34, T. 31 N., R. 24 E., S. 2.
Sec. 35, T. 31 N., R. 24 E., S. 2.
Sec. 36, T. 31 N., R. 24 E., S. 2.
Sec. 37, T. 31 N., R. 24 E., S. 2.
Sec. 38, T. 31 N., R. 24 E., S. 2.
Sec. 39, T. 31 N., R. 24 E., S. 2.
Sec. 40, T. 31 N., R. 24 E., S. 2.
Sec. 41, T. 31 N., R. 24 E., S. 2.
Sec. 42, T. 31 N., R. 24 E., S. 2.
Sec. 43, T. 31 N., R. 24 E., S. 2.
Sec. 44, T. 31 N., R. 24 E., S. 2.
Sec. 45, T. 31 N., R. 24 E., S. 2.
Sec. 46, T. 31 N., R. 24 E., S. 2.
Sec. 47, T. 31 N., R. 24 E., S. 2.
Sec. 48, T. 31 N., R. 24 E., S. 2.
Sec. 49, T. 31 N., R. 24 E., S. 2.
Sec. 50, T. 31 N., R. 24 E., S. 2.
Sec. 51, T. 31 N., R. 24 E., S. 2.
Sec. 52, T. 31 N., R. 24 E., S. 2.
Sec. 53, T. 31 N., R. 24 E., S. 2.
Sec. 54, T. 31 N., R. 24 E., S. 2.
Sec. 55, T. 31 N., R. 24 E., S. 2.
Sec. 56, T. 31 N., R. 24 E., S. 2.
Sec. 57, T. 31 N., R. 24 E., S. 2.
Sec. 58, T. 31 N., R. 24 E., S. 2.
Sec. 59, T. 31 N., R. 24 E., S. 2.
Sec. 60, T. 31 N., R. 24 E., S. 2.
Sec. 61, T. 31 N., R. 24 E., S. 2.
Sec. 62, T. 31 N., R. 24 E., S. 2.
Sec. 63, T. 31 N., R. 24 E., S. 2.
Sec. 64, T. 31 N., R. 24 E., S. 2.
Sec. 65, T. 31 N., R. 24 E., S. 2.
Sec. 66, T. 31 N., R. 24 E., S. 2.
Sec. 67, T. 31 N., R. 24 E., S. 2.
Sec. 68, T. 31 N., R. 24 E., S. 2.
Sec. 69, T. 31 N., R. 24 E., S. 2.
Sec. 70, T. 31 N., R. 24 E., S. 2.
Sec. 71, T. 31 N., R. 24 E., S. 2.
Sec. 72, T. 31 N., R. 24 E., S. 2.
Sec. 73, T. 31 N., R. 24 E., S. 2.
Sec. 74, T. 31 N., R. 24 E., S. 2.
Sec. 75, T. 31 N., R. 24 E., S. 2.
Sec. 76, T. 31 N., R. 24 E., S. 2.
Sec. 77, T. 31 N., R. 24 E., S. 2.
Sec. 78, T. 31 N., R. 24 E., S. 2.
Sec. 79, T. 31 N., R. 24 E., S. 2.
Sec. 80, T. 31 N., R. 24 E., S. 2.
Sec. 81, T. 31 N., R. 24 E., S. 2.
Sec. 82, T. 31 N., R. 24 E., S. 2.
Sec. 83, T. 31 N., R. 24 E., S. 2.
Sec. 84, T. 31 N., R. 24 E., S. 2.
Sec. 85, T. 31 N., R. 24 E., S. 2.
Sec. 86, T. 31 N., R. 24 E., S. 2.
Sec. 87, T. 31 N., R. 24 E., S. 2.
Sec. 88, T. 31 N., R. 24 E., S. 2.
Sec. 89, T. 31 N., R. 24 E., S. 2.
Sec. 90, T. 31 N., R. 24 E., S. 2.
Sec. 91, T. 31 N., R. 24 E., S. 2.
Sec. 92, T. 31 N., R. 24 E., S. 2.
Sec. 93, T. 31 N., R. 24 E., S. 2.
Sec. 94, T. 31 N., R. 24 E., S. 2.
Sec. 95, T. 31 N., R. 24 E., S. 2.
Sec. 96, T. 31 N., R. 24 E., S. 2.
Sec. 97, T. 31 N., R. 24 E., S. 2.
Sec. 98, T. 31 N., R. 24 E., S. 2.
Sec. 99, T. 31 N., R. 24 E., S. 2.
Sec. 100, T. 31 N., R. 24 E., S. 2.

Does hereby assign to the lessee of the lands hereinabove last described, the lease to the United States, dated December 14, 1922, covering certain land in Tulsa County, now located, therein particularly described, having heretofore, by assignment of date the ____ day of _____, 1922, subject to the approval of the Secretary of the Interior (a) of said assignment, and (b) of the Leasehold Agreement, assigned the said lease to the Pure Oil Company in so far as it covers all of the lands embraced thereby, said lands being designated as Tract No. 11 in Exhibit "B" attached to the said Leasehold Agreement.

Witness my hand and seal this ____ day of _____, 1922.

[Signature]
C. H. Smith

The image is a high-contrast, black and white scan of a document page. It features a grid-like pattern of text and images, which is heavily degraded with noise and artifacts. A large black rectangular area is visible in the upper right corner, and there are several horizontal lines across the page. The text is mostly illegible due to the high contrast and noise.

11

STATE OF NEW MEXICO
COUNTY OF SANTA FE

1944

The undersigned J. C. Johnson, of Santa Fe City, New Mexico, do hereby certify that certain oil and gas lease Santa Fe Serial No. 877000, dated December 28, 1944, covering certain land in Santa Fe County, New Mexico, the said lease being described, having heretofore, by assignment of, 1945 the assignment of 1946, subject to the approval of the Secretary of the Interior (a) of said assignment, and (b) of the Black Mesa Unit Agreement, assigned the said lease to The Pure Oil Company in so far as it covers all of the lands contained therein by, said lands being designated as Tract No. 10 in Exhibit "B" attached to the said Black Mesa Unit Agreement, being lands described as follows:

TRACT NO. 10

T 30 N, R 30 E. N. M. P. M.
Sec. 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189,

The Federal Land Bank of Wichita
Wichita, Kansas

Gentlemen:

Attached to this letter is a copy of the Black Mesa Unit Agreement dated March 22, 1944, which agreement has been, or is to be, recorded in the Records of Union County, New Mexico.

This agreement is in accordance with the terms of that certain oil and gas lease executed by The Federal Land Bank of Wichita to C. R. Board, dated June 3, 1944, and assigned to The Pure Oil Company on January 19, 1946, and under which you now hold a royalty interest.

Also attached to this letter are eight (8) copies of the Consent and Ratification of the Unit Agreement for each tract under which you hold an interest. We would appreciate it if you would sign eight (8) copies of each Consent and Ratification and have your signature acknowledged and return same to The Pure Oil Company, P. O. Box 271, Tulsa 2, Oklahoma, at your earliest convenience.

Please acknowledge receipt of the above by signing this letter in the lower left hand corner and returning same in the self-addressed envelope.

Yours very truly

THE PURE OIL COMPANY

By 
J. M. Smith

Received copy of Black Mesa Unit Agreement and 8 copies of Consent and Ratification of the Unit Agreement

Date 1/1/47

Wichita, Kansas

Wichita, Kansas

SOUTHWESTERN PRODUCING DIVISION
TULSA, OKLAHOMA

March 22, 1946

Mr. Charles S. Rexroad
210 So. Webb Street
Brandonville, West Va.

Dear Sir:

Attached is a copy of the Black Mesa Unit Agreement, which includes a map outlining an area of 33,030.36 acres in Townships 30, 31 and 32 North, Ranges 36 and 37 East, Union County, New Mexico.

This area has been designated by the Department of Interior, Washington, D. C., as a logical area for exploration and development as a unit of any oil or gas deposits which may be discovered. Of this proposed unit area The Pure Oil Company has under lease, or committed to lease, 32,510.36 acres, or 98.14%.

The Pure Oil Company contemplates drilling a test well in this area, which, under Government regulations must be commenced within six months after final approval of the Unit Agreement. You own an oil and gas lease on the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 5-31N-37E, which you have been unwilling to sell to us, and therefore you are hereby invited to execute the unit agreement as working interest owner. If, however, you do not care to include your acreage in the unit, and participate in the operations and expense of development, please indicate your refusal by signing this letter and returning it to this office, together with the enclosed agreement.

Please give this your prompt attention.

Very truly yours,

THE PURE OIL COMPANY

By *[Signature]*

J. B. McWITT
MANAGER

SOUTHWESTERN PRODUCING DIVISION
TULSA, OKLAHOMA

File, 1946

Mr. David Barry, Jr.,
5829 West 3rd Street
Los Angeles, California

Dear Sir:

Attached is a copy of the Black Mesa Unit Agreement, which includes a map outlining an area of 33,030.36 acres in Townships 30, 31 and 32 North, Ranges 36 and 37 East, Union County, New Mexico.

This area has been designated by the Department of Interior, Washington, D. C. as a logical area for exploration and development as a unit of any oil or gas deposits which may be discovered. Of this proposed unit area The Pure Oil Company has under lease, or committed to lease, 32,510.36 acres, or 98.44%.

The Pure Oil Company contemplates drilling a test well in this area, which, under Government regulations must be commenced within six months after the approval of the Unit Agreement. You own an undivided one-half interest (unleased) in the NW $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ of Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23, and NW $\frac{1}{4}$ & NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24, Twp. 31 North, Rge. 36 East, which you have been unwilling to lease to us, and therefore you are hereby invited to execute the unit agreement as working interest owner. If, however, you do not care to include your acreage in the unit, and participate in the operations and expense of development, please indicate your refusal by signing this letter and returning it to this office, together with the enclosed agreement.

Please give this your prompt attention.

Yours very truly,

THE PURE OIL COMPANY

By *[Signature]*
J. B. McWITT

Received copy of Black Mesa Unit Agreement. We do not desire to execute the Unit Agreement submitted.

[Signature]
Mr. David Barry, Jr.

March 22, 1946

Mr. H. C. Collister
1409 So. Glenwood Avenue
Springfield, Illinois

Dear Sir:

Attached is a copy of the Black Mesa Unit Agreement, which includes a map outlining an area of 33,030.36 acres in Townships 30, 31 and 32 North, Ranges 36 and 37 East, Union County, New Mexico.

This area has been designated by the Department of Interior, Washington, D. C., as a logical area for exploration and development as a unit of any oil or gas deposits which may be discovered. Of this proposed unit area The Pure Oil Company has under lease, or committed to lease, 32,510.36 acres, or 98.44%.

The Pure Oil Company contemplates drilling a test well in this area, which, under Government regulations must be commenced within six months after final approval of the Unit Agreement. You own an oil and gas lease on the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 36-31N-36E, which you have been unwilling to sell to us, and therefore you are hereby invited to execute the unit agreement as working interest owner. If, however, you do not care to include your acreage in the unit, and participate in the operations and expense of development, please indicate your refusal by signing this letter and returning it to this office, together with the enclosed agreement.

Please give this your prompt attention.

Very truly yours,

THE PURE OIL COMPANY

Received copy of Black Mesa Unit Agreement. I do not desire to execute the Unit Agreement

March 22, 1946

Mr. Ellis Laffery
4008 Madison Street
Chicago, Illinois

Dear Sir:

Attached is a copy of the Black Mesa Unit Agreement, which includes a map outlining an area of 32,810.36 acres in Townships 30, 31 and 32 North, Ranges 28 and 29 East, Union County, New Mexico.

This area has been designated by the Department of Interior, Washington, D.C., as a logical area for exploration and development as a unit of any oil or gas deposits which may be discovered. If this proposed unit area The Pure Oil Company has under lease, or committed to lease, 32,810.36 acres, or 99.44%.

The Pure Oil Company contemplates drilling a test well in this area, which, under Government regulations must be commenced within six months after final approval of the Unit Agreement. You own an oil and gas lease on the SW 1/4 of Section 28-30N-29E, which you have been unwilling to sell to us, and therefore you are hereby invited to execute the unit agreement as working interest owner. If, however, you do not care to include your acreage in the unit, and participate in the operations and expense of development, please indicate your refusal by signing this letter and returning it to this office, together with the enclosed agreement.

Please give this your prompt attention.

Very truly yours,

THE PURE OIL COMPANY,



Enclosed copy of the Black Mesa Unit Agreement

STATE OF OKLAHOMA,
TULSA COUNTY.

AFFIDAVIT

JOHN D. McNUTT, of lawful age, being first duly sworn, on his oath deposes and says:

That he is Manager of the Southwestern Producing Division of The Pure Oil Company, with headquarters at Tulsa, Oklahoma; that The Pure Oil Company is the owner of various leases in Union County, New Mexico, and has outlined what is known as the Black Mesa Unit Area; that within said area is forty acres, described as:

Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ of NE $\frac{1}{4}$)
of Section 36, Township 31 North, Range 36 E. N.M.P.M.
Union County, New Mexico;

that F.H. Brierton, of 315 South Main Street, Webb City, Missouri is the owner of an oil and gas lease covering said forty acres, and that on or about March 23, 1946, affiant sent a representative of The Pure Oil Company, one J.D. Lander, to Webb City, Missouri to present a copy of the Black Mesa Unit Agreement to the said F.H. Brierton and invite his participation therein and execution thereof; that said representative presented said agreement, and requested the said F.H. Brierton to join therein, as instructed by affiant, and the said F.H. Brierton advised said J.D. Lander that he did not care to join in the Unit with The Pure Oil Company for the drilling of a well, as therein set out, nor would he sign a letter of refusal, but suggested that the agreement be left and he would investigate the matter further. That since March 23, 1946, affiant's representative, J.D. Lander, has called upon F.H. Brierton, upon two separate occasions, requesting that said agreement either be signed, or the letter refusing to sign the agreement be executed and delivered to The Pure Oil Company, but that the said F.H. Brierton still refused to sign either the agreement or the letter of refusal.

Further affiant saith not.

Subscribed and sworn to before me this 17 day of May, 1946

E. D. Banger
Notary Public.

Illegible

MAIL BUSINESS
 LAND DEPARTMENT
 Return to **THE PURE OIL COMPANY**
 Street and Number, } BOX 271 (NAME OF ADDRESSEE)
 or Post Office Box, }
 REGISTERED ARTICLE TULSA, OKLAHOMA
 No. 220156
 INSURED PARCEL
 No. _____
TULSA,
OKLAHOMA.

Form 5811
 Rev. 1-4-40
RETURN RECEIPT
 Received from the Postmaster the Registered or Insured Article, the original number of which appears on the face of this Card.
 1 [Signature]
 (Signature of named addressee)
 2 [Signature]
 (Signature of addressee's agent—Agent should enter addressee's name on line ONE above)
 Date of delivery April 26, 1945
 U. S. GOVERNMENT PRINTING OFFICE 16-13421

ILLEGIBLE

STATE OF OKLAHOMA, }
TULSA COUNTY. }

AFFIDAVIT.

JOHN D. McNUTT, of lawful age, being first duly sworn, on his oath
deposes and says:

That he is Manager of the Southwestern Producing Division of The Pure
Oil Company, with headquarters at Tulsa, Oklahoma; that The Pure Oil Company
is the owner of various leases in Union County, New Mexico, and has outlined
what is known as the Black Mesa Unit Area; that within said area is forty
acres, described as:

Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ of NE $\frac{1}{4}$)
Of Section 18, Township 30 North, Range 37 E.N.M.P.M.,
Union County, New Mexico,

upon which an oil and gas lease has been executed to Al and Virginia Andrews.

That during the month of April, 1946, affiant addressed a letter to
Al and Virginia Andrews, inviting said lessees to join in the proposed Black
Mesa Unit Agreement. A copy of said letter is hereto attached, marked Exhibit "A"
and made a part hereof. That said letter was sent by Registered mail to the
said Al and Virginia Andrews, at their post office address, No. 8 Goodrich Court,
Milford, Massachusetts, and the same was delivered to said addressees on or
about April 26, 1946, as shown by photostat copy of Return Receipt hereto
attached, marked Exhibit "B" and made a part hereof.

Affiant further states that no reply has been had to said letter up to
this date, and affiant assures therefore that said lessees are not desirous of
joining as working interest owners in said proposed Black Mesa Unit Agreement.

Further affiant saith not.

Subscribed and sworn to before me this 11 day of May, 1946.

Notary Public
TULSA, OKLAHOMA.

My commission expires _____

ILLEGIBLE

CONSENT AND RATING CARRIERS

The undersigned (whether one or more), owner of an interest in the land hereinafter described, and its heirs, assigns and assigns, do hereby consent to, adopt, ratify and confirm the covenants and agreements therein contained, does hereby consent to, adopt, ratify and confirm the same, and to the same extent as if the undersigned had executed the same or a counterpart thereof, and the same agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, by and between The Pure Oil Company, an Ohio corporation, and others, dated _____, 1940; said agreement and the same as signed by the Black Mesa Unit Agreement and has been, or is to be, recorded in these records of the County of New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator under the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth herein, shall be deemed a full performance of all obligations for the development and operation required by the terms of any lease or other document which the working interest owner or owners named below may have with respect to the land hereinafter described, regardless of whether there is any development or operation on the land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil, gas, or other substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners may hereinafter hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 56 E N.M.P.M.

Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

Sec. 12, SW 1/4 SW 1/4

Sec. 13, NW 1/4 NW 1/4

Sec. 14, E-1111

Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Lease and Supplemental Agreement as Tract No. 22, in which the Working Interest rights are owned by: THE FARMER OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and date first above written, at the County of _____ State of _____, and the seal of the said County is hereunto set.

Date May 25 1946

Date 12/1/74

STATE OF California

COUNTY OF San Diego

SS

BE IT REMEMBERED, That on this 28th

day of May

AD 1946

Public, in and for said County and State, personally appeared John B. Mac A.D. 1946, before me, a Notary

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

CONSENT AND RATIFICATION

The undersigned (whether one or more), owner of an interest in the lands hereinafter described, oil, gas, natural gasoline, and unitized fluid hydrocarbons produced therefrom, or any of them, and all covenants and agreements therein contained, does hereby consent to, adopt, ratify and confirm the same, and to the same extent as if the undersigned had executed the same or a counterpart thereof, the agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, signed by The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946; said agreement being designated the Black Mesa Unit Agreement and has been, or is to be, recorded in these records of Union County, New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator of the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner and for the purposes set forth in said Black Mesa Unit Agreement, shall be deemed a full performance of all obligations for the development and operation required by the terms of any lease or other document which the working interest owner or owners owned before and to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil, gas, natural gasoline, or unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners owned before and to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N.M.P.M.

Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

Sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$

Sec. 13, NW $\frac{1}{4}$ NW $\frac{1}{4}$

Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$

Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 22, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year first above written, opposite his, her or its signature:

Date May 25, 1946

Date May 28, 1946

Date June 6, 1946

Date

STATE OF Massachusetts
COUNTY OF Suffolk } SS

BE IT REMEMBERED, That on this 22 day of July, A.D. 1946, before me, a Notary Public, in and for said County and State, personally appeared Thos. Z. Eaton and Kathryn E. Eaton

CONSENT AND RATIFICATION

The undersigned (whether one or more), owner of an interest in the lands hereinafter described, oil, gas, natural gasoline and associated fluid hydrocarbons produced therefrom, or any interest therein, covenants and agreements therein contained, does hereby consent in, assign, ratify and confirm the same, and to the same extent as if the undersigned had executed the same or a corresponding instrument for the development and operation of the Black Mesa Unit Area in Union County, New Mexico. The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946, and the undersigned has signed the Black Mesa Unit Agreement and has been, or is to be, recorded in the records of the State of New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator of the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner and to the extent provided in the Black Mesa Unit Agreement, shall be deemed a full performance of all obligations for the development and operation required by the terms of any lease or other document which the working interest owner or owners named below, with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil, gas, natural gasoline and associated fluid hydrocarbons by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if allocated to him, her, or it, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N.M.P.M.

Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$
 Sec. 13, NW $\frac{1}{4}$ NW $\frac{1}{4}$
 Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$

Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 22, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument this day and year first above written, opposite his, her or its signature:

Date May 25, 1946

Date May 28, 1946

Date June 6, 1946

Date _____

STATE OF Massachusetts
 COUNTY OF Suffolk } SS

BE IT REMEMBERED, That on this 6 day of June, A.D. 1946, before me, a Notary Public, in and for said County and State, personally appeared John W. Hark

the identical person _____ described in and who _____ executed the same as _____

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of my office this _____ day of _____, 1946.

CONSENT AND RATHER...

The undersigned (whether one or more), owner of an interest in the land hereinafter described, oil, gas, natural gasoline and associated fluid hydrocarbons produced therefrom, and all other minerals, covenants and agreements therein contained, does hereby consent to, adopt, ratify and confirm the agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, made by The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946, and the undersigned has signed the Black Mesa Unit Agreement and has been, or is to be, recorded in the Public Records of the County of New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator of the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner provided in said Black Mesa Unit Agreement shall be deemed a full performance of all obligations for the development and operation of the land hereinafter described, regardless of whether there is any development or operation of the land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil, gas, natural gasoline and associated fluid hydrocarbons by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners owned or owns below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N.M.P.M.

Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$
 Sec. 13, NW $\frac{1}{4}$ NW $\frac{1}{4}$
 Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$

Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 44, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and date first above written, at _____, New Mexico, opposite his, her or its signature:

Date May 25, 1946

Date May 28, 1946

Date June 1, 1946

STATE OF ILLINOIS
 COUNTY OF PEORIA } ss

BE IT REMEMBERED, That on this 8th day of July, A.D. 1946, before me, a Notary Public, in and for said County and State, personally appeared John H. Smith and Anna Mary Smith

CONSENT AND RATIFICATION

The undersigned (name as above), owner of his lands in the State of New Mexico, oil, gas, natural gas, and other hydrocarbon substances, and all other minerals, covenants and agreements therein contained, does hereby consent and ratify, and to the same extent as if the undersigned had executed the same as a true and correct agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946, and designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the public records of New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator of the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner and for the purposes set forth in said agreement, shall be deemed a full performance of all obligations for the development and operation of the land hereinafter described, regardless of whether there is any development or operation of the land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil, gas, or other hydrocarbon substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if any, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full performance of all obligations for the development and operation of the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N.M.P.M.

Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

Sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$

Sec. 13, NW $\frac{1}{4}$ NW $\frac{1}{4}$

Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$

Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. _____, in which the Working Interest is owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has caused this instrument to be signed by him, her, or its signature:

Date May 25, 1946

Date May 25, 1946

Date May 25, 1946

STATE OF Illinois
COUNTY OF Champaign SS

BE IT REMEMBERED, That on this 15th day of July, A.D. 1946, before me, a Notary Public, in and for said County and State, personally appeared _____

the identical person _____ described in and _____

IN WITNESS

COMMENT AND RATIONALE

The undersigned (whose name is hereinafter set forth), owner of an interest in the land, oil, gas, natural gas, and mineral and hydrocarbon resources, and the covenants and agreements therein contained, does hereby warrant to the State of New Mexico and to the same extent as if the undersigned had executed the same as a contract for the development and operation of the Black Mesa Unit Area in Grant County, New Mexico. The Pure Oil Company, an Ohio corporation, and agent, dated _____, 1954, signed the Black Mesa Unit Agreement and has been, or is to be, recorded in the Public Records of New Mexico, said agreement and the record thereof being by this reference incorporated herein and hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator of the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner and to the extent provided in the Black Mesa Unit Agreement, shall be deemed a full performance of all obligations for the development and operation of the land under the terms of any lease or other document which the working interest owner or owners grant to the Unit Operator with respect to the land hereinafter described, regardless of whether there is any development or operation of the land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of the substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a payment or delivery under the terms of any lease or other document which the working interest owner or owners of the land below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N.M.P.M.

Sec. 11, N¹/₂SE¹/₄, SE¹/₄SE¹/₄

Sec. 12, SW¹SW¹

Sec. 13, NW NW

Sec. 14, EXT

Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Leasehold Agreement as Tract No. 22, in which the Working Interest rights are owned by: THE UNITED STATES OF AMERICA
PANY.

IN WITNESS WHEREOF the undersigned has executed this instrument at his office
opposite his day or its signature:

Date Nov 25 1946

Date 10/1/74

STREET COUNTER

BE IT REMEMBERED, That on this 22 day of July A.D. 1946, before me, a Notary,

Publisher: [Signature] **Title:** [Signature]

[Illegible handwritten text]

The undersigned, the undersigned hereby agree to the terms, conditions, covenants and agreements herein set forth, and to the same extent as if the undersigned had signed the same. The undersigned for the development and operation of the Black Mesa Unit Area in New Mexico. The Pure Oil Company, an Ohio corporation, and its subsidiaries, designated the Black Mesa Unit Agreement and has been, or is to be, recorded in New Mexico, said agreement and the record thereof being by this reference made hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Shareowner of the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner provided in, the terms of any lease or other document which the working interest owner or owners execute in connection with respect to the land hereinafter described, regardless of whether there is any development or operation of the land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of the unitized substances by reason of his, her, or its ownership of the land hereinafter described or of its share of such production, or the unitized substances produced therefrom, or his, her, or its share of such production, shall be allocated, computed, and paid or delivered on the basis provided in said Black Hills Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a payment or delivery under the terms of any lease or other document which the working interest owner or owners of the land below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of its share of such production, or of the unitized substances produced therefrom.

T 31 H, R 36 E H.M.P.M.

Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$
 Sec. 13, NW $\frac{1}{4}$ NW $\frac{1}{4}$
 Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$
 Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Lease Agreement as Tract No. 22, in which the Working Interest rights are owned by: **THE UNITED STATES OF AMERICA**

IN WITNESS WHEREOF the undersigned has caused this document to be signed by its duly authorized officer or officers and its corporate seal hereunto is hereunto set at the City of New York, State of New York, this _____ day of _____, 19____.

Date 11 May 75 1000
Date 12 May 75 1000
Date 13 May 75 1000

STATE OF Indiana
COUNTY OF Dea SS

BE IT REMEMBERED, That on this 30 day of July A.D. 1946, before me, a Notary Public, in and for said County and State, personally appeared James H. Hays

1. The first part of the document is a list of names, which appears to be a roster or a list of participants. The names are arranged in a grid-like format, with columns and rows. Some names are clearly legible, while others are partially obscured or difficult to read due to the quality of the scan.

2. The second part of the document is a large, dense block of text. This section appears to be a detailed report or a collection of notes. The text is organized into paragraphs, with some sections starting with bold or capitalized letters. The content is highly technical and appears to be related to a specific field of study or a particular project.

3. The third part of the document is a series of tables or data sets. These tables contain numerical data, possibly representing measurements or experimental results. The tables are organized into columns and rows, with some headers that are partially legible.

4. The fourth part of the document is a series of diagrams or illustrations. These diagrams appear to be technical drawings or schematics, possibly related to the data presented in the tables. They show various components and their relationships, with some labels that are difficult to read.

5. The fifth part of the document is a series of text blocks, which appear to be a continuation of the report or a collection of additional notes. The text is organized into paragraphs, with some sections starting with bold or capitalized letters. The content is highly technical and appears to be related to a specific field of study or a particular project.

CONSENT AND RATIFICATION

The undersigned (hereinafter to mean), owner of its interest in the land hereinafter described, oil, gas, natural gas and geothermal fluids hydrocarbon produced therefrom, in and under the land, covenants and agreements therein contained, does hereby consent to, accept, ratify and confirm, and to the same extent as if the undersigned had executed and acknowledged, the Black Mesa Unit Agreement for the development and operation of the Black Mesa Unit Area in Union County, New Mexico, The Pure Oil Company, an Ohio corporation, and others, dated _____, 1946, and the agreement designated the Black Mesa Unit Agreement and has been, or is to be, recorded in the public records of New Mexico, said agreement and the record thereof being by this reference incorporated herein and made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and operation by the Unit Operator of the Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner and to the extent, shall be deemed a full performance of all obligations for the development and operation required by the terms of any lease or other document which the working interest owner or owners owned before or after the date of this agreement with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of oil, gas, natural gas, or geothermal fluids by reason of his, her, or its ownership of the land hereinafter described or of an interest therein in the unitized substances produced therefrom, or his, her, or its share of such production, if such payment shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement, and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners owned before or after the date of this agreement with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 31 N, R 36 E N.M.P.M.

Sec. 11, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

Sec. 12, SW $\frac{1}{4}$ SW $\frac{1}{4}$

Sec. 13, NW $\frac{1}{4}$ NW $\frac{1}{4}$

Sec. 14, E $\frac{1}{2}$ NE $\frac{1}{4}$

Sec. 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 44, in which the Working Interest rights are owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF the undersigned has executed this instrument the day and year first above written, opposite his, her or its signature:

Date May 25, 1946

Date May 28, 1946

Date June 6, 1946

STATE OF New Mexico
COUNTY OF Union

BE IT REMEMBERED, That on this _____ day of _____, 1946, before me, the undersigned, a Notary Public, in and for said County and State, personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Notary Public

The undersigned further agrees that the development and production of oil, gas, and other substances covered by the lease, and to the same extent as a full performance of the lease agreement for the purposes of the lease. The Pure Oil Company, an Ohio corporation, and its subsidiaries, have signed the Black Mesa Unit Agreement and have agreed to be bound by the terms of the said agreement and the record thereof being by this reference made a part hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the development and production of the Black Mesa Unit Agreement of any lands under his control, shall be deemed a full performance of all obligations for the purposes of the terms of any lease or other document which the undersigned enters into with respect to the land hereinafter described, regardless of whether there is any land.

The undersigned further agrees that any payment due to him or his estate for substances by reason of his, her, or its ownership of the land hereinafter described, the unitized substances produced therefrom, or his, her, or its estate or estate shall be allocated, computed, and paid or delivered on the basis provided for in the lease and that payment or delivery by the Unit Operator of such amounts as may be due or delivery under the terms of any lease or other document which the undersigned enters into below hold with respect to the land hereinafter described, of any payment or delivery for the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of the unitized substances produced therefrom.

DESCRIPTION OF LANDS

T 31 N, R 26 E E. 1/2, S. 1/2, E. 1/2
Sec. 11, SW 1/4
Sec. 14, NE 1/4, SE 1/4, NW 1/4

being situated in Union County, New Mexico, and the same are hereby agreed to be part of the Black Mesa Unit Agreement as Tract No. 23, in which the Western Petroleum Company is the Unit Operator.

IN WITNESS WHEREOF, the undersigned, his heirs, assigns, and assigns, have hereunto set their hands and seals, at the City of Santa Fe, New Mexico, this 1st day of July, 1941.

STATE OF California
COUNTY OF San Diego

BE IT REMEMBERED That on the 21st day of July, 1941, before me, the undersigned, a Notary Public in and for the State of California, personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

The undersigned hereby further agrees that the development of the Black Mesa Unit Agreement of any lease under this agreement shall be deemed a full performance of all obligations in the terms of any lease or other document which the undersigned has or shall have with respect to the land hereinafter described, regardless of whether there is any other land.

DECEPTION OF PUBLIC

T 31 N, R 36 E N. M. D. 100
Sec. 11, SW 1/4
Sec. 14, SW 1/4, NW 1/4

IN WITNESS WHEREOF the undersigned
opposite his, her or its signature:

DATE Jul 25

STATE OF _____
COUNTY OF _____

BE IT REMEMBERED

Public, in and for itself

The undersigned hereby further agrees that the covenants, conditions and obligations herein contained shall be deemed a full performance of all obligations, covenants, conditions and obligations contained in the terms of any lease or other document which the undersigned has heretofore entered into with respect to the land hereinafter described, together with the land hereinafter described.

DESCRIPTION OF SUBJECT

T 51 W, R 36 R
Sec. 11, SW 1/4
Sec. 14, W 1/4 NE 1/4, NE 1/4 SW 1/4

being situated in Union County, New Mexico, and the
Agreement as Tract No. 14, in which the
-PANY

IN WITNESS WHEREOF the undersigned
opposite the seal of the said court:

IN WITNESS WHEREOF

11-11-68

STATE OF

COUNTY OF

五、

1990

and to the...
ment for...
The...
New...
hereof as effectively as if...

The...
Black...
shall be...
terms of any lease or other document...
respect to the land hereinafter described, regarding...
land.

The undersigned further agrees that any payment...
substances by reason of his, her, or its ownership of the...
the unitized substances produced therefrom, to his, her, or its...
shall be allocated, computed, and paid or delivered on the...
and that payment or delivery by the Unit Operator of such...
or delivery under the terms of any lease or other document...
below hold with respect to the land hereinafter described...
the production of unitized substances by reason of his, her, or its...
or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

Section 31 N, 2 W, 2 E
Twp 11, N
R. 14, W

being situated in Union County, New Mexico...
Agreement as to No. 21, 1914...
PANY.

IN WITNESS WHEREOF

Opposite his...
Signature...

STATE OF
COUNTY OF

BE IT REMEMBERED

Public...

Signature...

Notary...

Witness...

all the...
and to...
ment for...
The...
signature...
New Mexico...
hereof as effectively as if herein set out in full.

The undersigned hereby further agrees that the...
Black Mesa Unit...
shall be deemed a full... of all...
terms of any lease or other instrument which the...
respect to the land hereinafter described, regarding...
land.

The undersigned further agrees that any payments...
substances by reason of his, her, or its ownership of the...
the unitized substances produced therefrom, to his, her, or its...
shall be allocated, computed, and paid or delivered on the basis...
and that payment or delivery by the Unit Operator of...
or delivery under the terms of any lease or other document...
below hold with respect to the land hereinafter described...
the production of unitized substances by reason of his, her, or its...
or of the unitized substances produced therefrom.

DISCLAIMER OF INTEREST

T. B. H. R. 36 E. S. 2, T. 2, S. 2, R. 2, E. 2
Sec. 11, SW 1/4
Sec. 12, SW 1/4

being situated in Union County, New Mexico...
Agreement as to the...
PANY.

IN WITNESS WHEREOF...
opposite the... of...

Witness my hand and seal...

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 30 N, R 36 E N. M. P. M.
 Sec. 3, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
 Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 10, NE $\frac{1}{4}$, NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached hereto as "Tract No. 41", in which the Working Interest Rights are owned by PLATEAU ENERGY SERVICES COMPANY.

IN WITNESS WHEREOF the undersigned, being duly sworn, have hereunto set their hands and seals at the City of New York, this _____ day of _____, 19____.

Page 25

100

100

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[Illegible text]

Journal of Management Studies, 20(6), 791-806.

Journal of Management Education 36(7) 809-824

The undersigned further agrees that the development and operation by the Unit Operator under said oil, gas, mineral lease and agreement shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 30 N, R 36 E N. M. P. M.
Sec. 3, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 10, NE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" of the Black Mesa Unit Agreement as Tract No. 41, in which the Working Interest rights are owned by THE UNITED STATES OF AMERICA, BY AND THROUGH THE SECRETARY OF THE INTERIOR, and the Black Mesa Unit Agreement is on file in the office of the Secretary of the Interior, Washington, D. C.

IN WITNESS WHEREOF, the undersigned, at his office, opposite his law office, this 1st day of January, 1961.

By: Raymond A. Smith

COUNTY OF _____

BE IT REMEMBERED, _____

Public, in and for _____

The undersigned hereby agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF LAND

T 30 N, R 36 E N. M. P. M.
Sec. 3, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 10, NE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 41, in which the undersigned has an interest. This is a true and correct copy of the original of said agreement as the same appears on the records of the Public Land Office, Department of the Interior, Washington, D. C.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal at the City of Santa Fe, New Mexico, this 1st day of January, 1961.

Date: 1/1/61

Date: 1/1/61

Date: 1/1/61

Date: 1/1/61

The undersigned hereby agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

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DESCRIPTION OF LAND

T 30 N, R 36 E N. M. P. M.
Sec. 3, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 10, NE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$

being situated in Union County, New Mexico, and designated in Exhibit "B" attached to said Black Mesa Unit Agreement as Tract No. 41, in which the Working Interest is owned by: THE PURE OIL COMPANY.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal, this 10th day of May, 1951, at the County of _____, State of _____.

Date: _____

Date: _____

STATE OF NEW MEXICO

COUNTY OF BLAKE

BEFORE ME, the undersigned authority, on this _____ day of _____, 1951, personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this _____ day of _____, 1951.

The undersigned further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

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DESCRIPTION OF LAND

T 30 N, E 36 E R. M. P. M.
Sec. 3, SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 10, NE $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$

being situated in Union County, New Mexico, and subject to the provisions of the Black Mesa Unit Agreement as amended, in which the undersigned is a party, and the same are recorded in the Public Land Office, Santa Fe, New Mexico.

PANY.

County of

The undersigned hereby further agrees that the development and operation by the Unit Operator under said Black Mesa Unit Agreement of any lands under its control pursuant to, and in the manner set forth herein, shall be deemed a full performance of all obligations for the development and operation required under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein, or of the unitized substances produced therefrom.

IDENTIFICATION OF SUBJECT

T 50 N, R 36 E N. M. P. M.
Sec. 3, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 10, NE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$

being situated in Davis County, New Hampshire, and is subject to the
Agreement as set forth in the attached "Agreement of the
PANY

The undersigned hereby further agree that the development and operation by the Black Mesa Unit, or any other unit, of any lands under its control pursuant to, and in the manner set forth therein, shall be deemed a full performance of all obligations for the development and operation of said lands under the terms of any lease or other document which the working interest owner or owners named below may hold with respect to the land hereinafter described, regardless of whether there is any development or operation on said land.

4 The undersigned further agrees that any payment due him, her, or it, on account of the production of unitized substances by reason of his, her, or its ownership of the land hereinafter described or of an interest therein, or of the unitized substances produced therefrom, or his, her, or its share of such production, if delivered in kind, shall be allocated, computed, and paid or delivered on the basis provided in said Black Mesa Unit Agreement; and that payment or delivery by the Unit Operator of such amounts so computed shall be deemed a full payment or delivery under the terms of any lease or other document which the working interest owner or owners named below hold with respect to the land hereinafter described, of any amounts due the undersigned on account of the production of unitized substances by reason of his, her, or its ownership of said land, or of an interest therein or of the unitized substances produced therefrom.

DESCRIPTION OF CASE

T 30 N, R 36 E. N. M. P. M.
Sec. 3, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$
Sec. 4, E $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Sec. 10, NE $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$

being situated in Union County, New Mexico, and approved by the Board of Directors of the Company pursuant to the Agreement as Trust No. 1, in which the Board of Directors of the Company

NEW MEXICO OIL CONSERVATION COMMISSION,

STATE OF NEW MEXICO.

APPLICATION FOR APPROVAL OF
BLACK MESA UNIT AGREEMENT,
UNION COUNTY, NEW MEXICO.

No. _____

P E T I T I O N

Comes now the undersigned, The Pure Oil Company, and files two copies of a Unit Agreement for the development and operation of the Black Mesa Unit, Union County, New Mexico, and hereby makes application for the approval of said agreement by the New Mexico Oil Conservation Commission, and in support thereof shows:

1. That the Unit Area designated in said agreement covers 33,030.36 acres, and is situated in the northeast part of Union County, in the State of New Mexico. That of said acreage embraced within said Unit Area, 8,607.66 acres are owned by the United States of America, 8,249.94 acres are owned by the State of New Mexico, and 15,972.73 acres are privately owned; that your petitioner has valid and subsisting oil and gas mining leases, or has agreed to purchase assignments, covering the same, as to all the lands with exception of approximately 220 acres, and that said agreement has been executed by your petitioner and numerous owners of royalty interests in said lands, involving approximately 98.42% of the working interest, and approximately 24.5% of the fee or royalty interest.

2. That the area designated in said unit has heretofore been designated by the Director of the Geological Survey of the Department of the Interior as a local area for exploration and development as a unit of any oil or gas deposits which may be discovered.

3. Your petitioner, the undersigned, designated operator and joint authority to carry on operations necessary for development and exploration of the unit area for oil and gas, subject to regulations of the Secretary of the Interior, the Superintendent of Public Lands of the State of New Mexico, and the New Mexico Oil Conservation Commission, states that under the terms thereof a test well for oil and gas is to be drilled within six months after effective date of the agreement.

less than six thousand (6000) feet, unless at a lesser depth a full deposit of unitized substance is discovered, or it shall be determined that further drilling would not be warranted.

4. That the proposed agreement follows substantially the same form of Unit Agreement heretofore approved by the Oil and Gas Conservation Commission, the Commissioner of Public Lands of the State of New Mexico, and Secretary of the Interior of the United States. Petitioner has submitted a copy of this agreement to the Department of the Interior of the United States, who has indicated its approval of said agreement, formal approval to be deferred and to be effective only if approved by the State of New Mexico acting through its Oil Conservation Commission and the Commissioner of Public Lands. It is believed that the operation to be carried on under the terms of this unit agreement would promote economical and efficient recovery of oil and gas, and the better utilization of reservoir energy because it provides for well spacing in accordance with such rules as may be prescribed by the Oil Conservation Commission; permits drilling, engineering, development and production practices on federal, state and privately owned lands to be conducted in accordance with the plan which has the joint approval of state and federal authorities and under a unified management, and makes possible the production of wells in the field in such a manner as may be directed by public authority so as to avoid water inundation, waste of gas, or competitive production practices. That under this agreement the State of New Mexico will receive its share of oil or gas, which will be allocated to it on an average basis to any and all participating areas which may be unitized.

Petitioner further states that this unit agreement in all respects to the best interest of the State with respect to state lands, and tends to promote the conservation of oil and gas, and to eliminate waste of these substances.

5. That upon an order being entered by the New Mexico Oil Conservation Commission approving, said agreement, and after approval thereof by the Commissioner of Public Lands of New Mexico and the Secretary of the Interior of the United States, the said agreement of said agreement will be filed with the said

Oil Conservation Commission.

6. A geological report concerning the structure is marked Exhibit "A" and filed herewith. To this geological report is attached a map showing the outlines of the unit area and the structure.

WHEREFORE, the undersigned applicant respectfully requests that a public hearing be held on the matter of the approval of the said Unit Agreement, as provided by Statutes of New Mexico and regulations of New Mexico Oil Conservation Commission, and that upon said hearing said agreement be approved by the New Mexico Oil Conservation Commission.

Respectfully submitted,

THE PURE OIL COMPANY,

By


The Secretary.

C O N F I D E N T I A L

EXHIBIT "A"

APPLICATION FOR DESIGNATION OF UNIT AREA
BLACK MESA STRUCTURE - UNION COUNTY, NEW MEXICO

GEOLOGICAL REPORT

STRUCTURE MAP

OWNERSHIP MAP

THE PURE OIL COMPANY
P.O. BOX 271
TULSA, OKLAHOMA

EXHIBIT "A"

The Black Mesa Structure is located in Townships 30, 31, and 32, North, Ranges 36 and 37 East, Union County, New Mexico. This structure is a northeast-southwest trending anticlinal fold of low relief. The center of the designated area is 33 miles north of the Town of Clayton, New Mexico.

The structure, as indicated on the attached map, marked Exhibit "1", is an expression of the surface outcrops. No actual closure is interpreted from surface exposures but a flattening northeast and southwest from the near closure in Section 23, Township 31 North, Range 36 East is believed to be important with respect to the accumulation of oil since subsurface structures are commonly of greater amplitude than their surface components. The increase in dip of the surface beds paralleling the east flank of the structure suggests a major disturbance.

It is believed that the low relief of the surface structure enhances the possibilities for a thicker sedimentary section more than if a prominent surface structure were present. Regionally, many of the prominent anticlines are underlaid by comparatively shallow granite. From regional data 5000 to 6000 feet of sediments are expected to underlie the unit area. Production may be expected from the Permian and Pennsylvanian arkoses or granite washes; Lower Pennsylvanian sands and Pre-Pennsylvanian formations. Depending upon the extent of erosion a comparatively thick section of Mississippian, and possibly some Simpson and Arbuckle limestone are believed to be present.

Should production be found on the Black Mesa structure, it is believed that the productive area would be large.


Division Geologist, The Pure Oil Company
Southwestern Producing Division

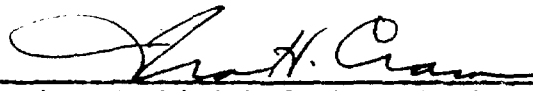
SUPPLEMENT TO EXHIBIT "A"

We submit herewith additional geologic information on the Black Mesa structure, Townships 30, 31 and 32 N., Ranges 36 and 37 E., Union County, New Mexico. These additional data, together with our interpretations, were not submitted with the original application for designation of unit area because it was believed that the structural information presented, based upon excellent surface data, was adequate.

In the original application it was stated that low-relief surface structures of the Black Mesa type were believed to have a better chance of being underlain by a thick sedimentary column than high-relief surface structures. This is still our belief, but regional subsurface considerations make it necessary to entertain an alternate hypothesis. This surface structure is located upon the east flank of the well known regional Sierra Grande arch. Several wells drilled on top of this arch have found shallow pre-Cambrian granite. One of these wells is the Baker Ranch well in Section 6, 31N., 33E., Union County, New Mexico, 23 miles west of the top of the Black Mesa structure. The Baker Ranch well reached the pre-Cambrian at approximately 2100 feet. About 13 miles east of the top of the Black Mesa structure the Sinclair #1 School Land in section 22, 5N., 2 E., Cimarron County, Oklahoma, was still in sedimentary rock of Pennsylvanian age at a total depth of 4872 feet. Therefore a thick sedimentary column containing porous granite wash beds is present to the east of the Sierra Grande arch and has to pinch out on the east flank of the arch, setting the stage for a combination structural and stratigraphic trap of the Amarillo type.

The location of the west edge of the porous section can be determined only by drilling. Magnetic information does not indicate accurately the east edge of the shallow granite area. Any attempt to determine the edge by seismic methods is a waste of time, effort and money. We have had broad experience attempting to make such determinations by seismic methods and know the hazards. Although the Black Mesa structure is closer to the well revealing thick sediments, there is a possibility that the top of the structure is underlain by shallow granite, in which case the east flank of the structure becomes an excellent prospect for accumulation in granite wash beds controlled by both structure and stratigraphy. With this possibility in mind, considerable flank acreage was included in the unit area.

In summary, drilling of the Black Mesa structure may find accumulation on top controlled by structure or on the east flank controlled by both structure and stratigraphy. Considering the prominence of the surface structure and the unpredictable subsurface structure and stratigraphy, it is our judgment that the Black Mesa structure warrants one or more test wells and does not warrant further geophysical investigation in advance of drilling. If drilling proves accumulation of the Amarillo type on the flank of the structure, the field may well extend beyond the limits of the proposed unit area.


Assistant Chief Geologist, The Pure Oil
Company

PROPOSED BLACK MESA UNIT

SURFACE STRUCTURE MAP

SCALE 1" = 1 MILE

Exhibit "A" "1"

Union County, New Mexico

