

CASE
RECORD
FILE

252

MAGNOLIA PETROLEUM COMPANY
Brantley Jackson

Roswell, New Mexico

November 12, 1951

Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

RE: Four Lakes Unit Area
Lea County, New Mexico

Case 252

Gentlemen:

On February 2, 1951 you approved Unit Agreement for the development and operation of the Four Lakes Unit Area, Lea County, New Mexico.

Section 15 of said Unit Agreement provides that the Agreement may be terminated with approval of the Commissioner.

In this connection we are attaching in duplicate Certificate of Dissolution of Unit Agreement for the Development and Operation of the Four Lakes Unit Area, Lea County, New Mexico, which have been executed by all the working interest owners and we submit same to you for your approval.

If same meets with your approval we will thank you to return an approved copy to us.

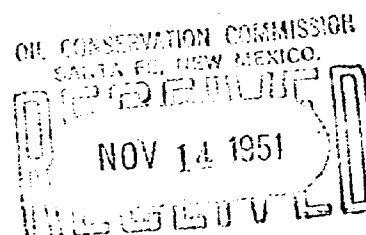
Yours very truly,

MAGNOLIA PETROLEUM COMPANY

By Brantley Jackson
Brantley Jackson

BJ:vh

cc: Oil Conservation Commission
with copy of Certificate of Dissolution



February 16, 1951

To: Oil Conservation Commission
Hobbs
Artesia
Aztec

We are enclosing herewith copy of transcript of hearing, January
25, 1951.

Oil Conservation Commission

Secretary and Director

*Transcript filed Case 248
2 copies retained SF office*

EUGENE O. MONNET
ATTORNEY AT LAW
FIRST NATIONAL BUILDING
TULSA 3, OKLAHOMA

FEBRUARY 6, 1951

RE: WEST HALF OF NORTHEAST QUARTER OF
SECTION 14, TOWNSHIP 10 SOUTH,
RANGE 34 EAST, LEA COUNTY, NEW
MEXICO.

OIL CONSERVATION COMMISSION
STATE CAPITOL BUILDING
SANTA FE, NEW MEXICO

GENTLEMEN:

IT IS OUR UNDERSTANDING THAT UPON PETITION OF THE
MAGNOLIA PETROLEUM COMPANY, YOU RECENTLY ISSUED AN ORDER CREATING
AN OIL AND GAS UNIT KNOWN AS THE "FOUR LAKES UNIT" WHICH COMPRISES
THE ABOVE DESCRIBED 80 ACRES OF LAND AND OTHER LANDS.

PLEASE LET US KNOW IF SUCH AN ORDER HAS BEEN ISSUED
AND IF SAME INCLUDES THE ABOVE DESCRIBED LANDS. WE WOULD ALSO
LIKE A COPY OF THIS ORDER AND WILL PAY WHATEVER FEE OR CHARGE
IS NECESSARY UPON RECEIPT OF THE SAME.

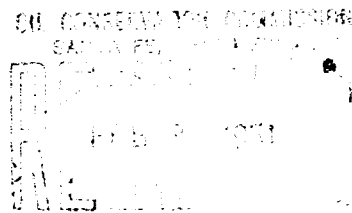
THANKING YOU FOR AN EARLY REPLY, I REMAIN

YOURS RESPECTFULLY,

Eugene O. Monnet
EUGENE O. MONNET

EOM/MP

mailed 2/8/51



January 26, 1951

Mr. Clarence Hinkle
Hervey, Dew and Hinkle
Roswell, New Mexico

Dear Mr. Hinkle:

You will find enclosed, signed copy of Order No. R-47, issued in connection with Case No. 252, heard in Santa Fe, New Mexico, on January 25, 1951.

Very truly yours,

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

R. R. Spurrer
Secretary-Director

RRS:bw
encl.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF THE MAGNOLIA PETROLEUM COMPANY
FOR AN ORDER APPROVING THE PRO-
POSED FOUR LAKES UNIT AGREEMENT
EMBRACING 3,200 ACRES OF LANDS
OWNED BY THE STATE OF NEW MEXICO
SITUATED IN LEA COUNTY, NEW MEXICO
IN TWP. 10 S., RGE. 34 E., N.M.P.M.

CASE NO. 252

ORDER NO. R-47

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10:00 o'clock,
A. M., on the 25th day of January, 1951, at Santa Fe, New
Mexico, before the Oil Conservation Commission of New Mexico,
hereinafter referred to as the "Commission", upon the applica-
tion of the Magnolia Petroleum Company for approval of the
Four Lakes Unit Agreement embracing lands situated in Lea
County, New Mexico and the Commission having considered said
application and the evidence introduced in support thereof
and being fully advised in the premises:

FINDS that the proposed unit plan will in principle
tend to promote the conservation of oil and gas and the preven-
tion of waste;

IT IS THEREFORE ORDERED BY THE COMMISSION AS FOLLOWS:

SECTION 1. That this order shall be known as the

FOUR LAKES UNIT AGREEMENT ORDER

SECTION 2. (a) That the project herein referred to
shall be known as the Four Lakes Unit Agreement, and shall here-
after be referred to as the "Project".

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

SECTION 3. That the Four Lakes Unit Agreement Plan
shall be, and hereby is, approved in principle as a proper
conservation measure; provided, however, that notwithstanding
any of the provisions contained in said unit agreement this
approval shall not be considered as waiving or relinquishing

in any manner any rights, duties or obligations which are now, or may hereafter, be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Four Lakes Unit Agreement, or relative to the production of oil or gas therefrom.

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

NEW MEXICO PRINCIPAL MERIDIAN

TOWNSHIP 10 SOUTH, RANGE 34 EAST

S $\frac{1}{2}$ Sec. 10

S $\frac{1}{2}$ Sec. 11

All of Secs. 14, 15, 22 and 23

Total unit area 3,200 acres, more or less.

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

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

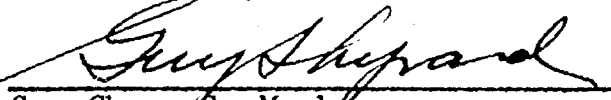
SECTION 6. That any party owning rights in the unitized substances who does not commit such rights to said unit agreement before the effective date thereof may thereafter become a party thereto by subscribing to such agreement or counterpart thereof. The unit operator shall file with the Commission within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

SECTION 7. That this Order shall become effective upon approval of said unit agreement by the Commissioner of Public Lands of the State of New Mexico, and 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 the day and year above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Edwin Mechem, Governor


Guy Shepard, Member


R. R. Spurrier, Secretary

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF THE MAGNOLIA PETROLEUM COMPANY
FOR AN ORDER APPROVING THE PRO-
POSED FOUR LAKES UNIT AGREEMENT
EMBRACING 3,200 ACRES OF LANDS
OWNED BY THE STATE OF NEW MEXICO
SITUATED IN LEA COUNTY, NEW MEXICO
IN TWP. 10 S., RGE. 34 E., N.M.P.M.

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application and the evidence introduced in support thereof
and being fully advised in the premises:

FINDS that the proposed unit plan will in principle
tend to promote the conservation of oil and gas and the preven-
tion of waste;

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ment for the development and operation of the Four Lakes Unit
Area referred to in the Petitioner's petition and filed with
said petition, and such plan shall be known as the Four Lakes
Unit Agreement Plan.

SECTION 3. That the Four Lakes Unit Agreement Plan
shall be, and hereby is, approved in principle as a proper
conservation measure; provided, however, that notwithstanding
any of the provisions contained in said unit agreement this
approval shall not be considered as waiving or relinquishing

in any manner any rights, duties or obligations which are now, or may hereafter, be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Four Lakes Unit Agreement, or relative to the production of oil or gas therefrom.

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

NEW MEXICO PRINCIPAL MERIDIAN
TOWNSHIP 10 SOUTH, RANGE 34 EAST

S $\frac{1}{2}$ Sec. 10

S $\frac{1}{2}$ Sec. 11

All of Secs. 14, 15, 22 and 23

Total unit area 3,200 acres, more or less.

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

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

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

SECTION 7. That this Order shall become effective upon approval of said unit agreement by the Commissioner of Public Lands of the State of New Mexico, and 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 the day and year above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Edwin Mechem, Governor

Guy Shepard
Guy Shepard, Member

R. R. Spurrier
R. R. Spurrier, Secretary

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Edwin Mechem, Governor



Guy Shepard, Member

R. R. Spurrier, Secretary

BEFORE THE OIL CONSERVATION COMMISSION
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DONE at Santa Fe, New Mexico, on the day and year above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Edwin Mechem, Governor



Guy Shepard, Member

R. R. Spurrier, Secretary

January 25, 1951

Oil Conservation Commission
P. O. Box 1545
Hobbs, New Mexico

Gentlemen:

We enclose herewith, signed copy of Order No. R-47, issued in connection with Case No. 252, heard in Santa Fe, New Mexico on January 25, 1951.

Very truly yours,

R. R. Spurrier
Secretary-Director

RFS:bw
encl.

J. M. HERVEY
HIRAH M. DOW
CLARENCE E. HINKLE
W. E. BONDURANT, JR.
GEORGE H. HUNKER, JR.

WILLIAM C. SCHAUER

LAW OFFICES
HERVEY, DOW & HINKLE
ROSWELL, NEW MEXICO

January 22, 1951

Chas 252

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

Re: Four Lakes Unit
Agreement

Dear Mr. Spurrier:

We enclose herewith three copies of proposed Unit Agreement for the development and operation of the Four Lakes Unit Area which are the copies referred to in the Application of the Magnolia Petroleum Company for approval of the unit by the Conservation Commission.

This form was filed with the Commissioner of Public Lands and we are in receipt of a letter from the Commissioner under date of January 12th advising that it has been approved as to form by his office.

We understand that this matter is to be heard before the Commission on the 25th.

Yours very truly,

HERVEY, DOW & HINKLE

By Clarence E. Hinkle
(EH)

CEH/se
Encl.

January 12, 1951

Messrs. Hervey, Dow and Hinkle
Attorneys at Law
Roswell, New Mexico

In Re: Proposed Four Lakes
Unit Agreement

Gentlemen:

This is to say that I have examined your application on behalf of Magnolia Petroleum Company for unitization of certain state lands in the Four Lakes area of Lea County, New Mexico and find that the proposed agreement representing a modification of the usual form because of the lands being wholly state owned lands seems satisfactory. I therefore approve the agreement as to form however, I will withhold formal execution of Certificate of Approval pending a hearing of the matter before the Oil Conservation Commission.

Very truly yours,


GUY SHEPARD, COMMISSIONER

vmc

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
The State of New Mexico by its Oil Conservation Commission hereby gives notice pursuant to law and the Rules and Regulations of said Commission promulgated thereunder, of the following public hearing to be held January 25, 1951, beginning at 10:30 o'clock A.M. on that day in the City of Santa Fe, New Mexico, in the Capitol.

STATE OF NEW MEXICO, TO:
All named parties in the following cases and notice to the public:
Case 252

In the matter of the application of Magnolia Petroleum Company, for an order approving the proposed Four Lakes Unit Agreement embracing approximately 3200 acres of state-owned lands described as:
Township 10 South, Range 34 east, N.M.P.M.
S½ Section 10; S½ Section 11;
All Sections 14, 15, 22 and 23,
in the Four Lakes Area, Lea County, New Mexico.

Given under the seal of the Oil Conservation Commission of New Mexico, at Santa Fe, New Mexico, on January 25, 1951.
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
R. R. SPURRIER
Secretary.

Pub.: Jan. 15, 1951.

Affidavit of Publication

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

I, Will Harrison, being first duly sworn declare and say that I am the ~~Editor~~ (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 advertisements 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 1 time ~~consistently and continuously~~ 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 1 time ~~consistently and continuously~~, the first publication being on the 15th day of January, 1951, ~~consistently and continuously~~ ~~each week~~ ~~consistently and continuously~~, 1951; 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

35 lines, one time at \$ 3.50
lines, times, \$
Tax \$
Total \$ 3.50

Received payment,

By

Will Harrison

Editor ~~James~~

Subscribed and sworn to before me this 15th

day of January, A.D., 1951

Anna K. Ormsbee

Notary Public

My Commission expires

June 14, 1953

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

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S $\frac{1}{2}$ Section 10; S $\frac{1}{2}$ Section 11;
All, Sections 14, 15, 22 and 23,
in the Four Lakes Area, Lea County, New Mexico.

Given under the seal of the Oil Conservation Commission of New Mexico, at Santa Fe, New Mexico, on January 25, 1951.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

R. R. Spurrer
R. R. SPURRER, SECRETARY

J. M. HERVEY
HIRAM M. DOW
CLARENCE E. HINKLE
W. E. BONDURANT, JR.
GEORGE H. HUNKER, JR.

WILLIAM C. SCHAUER

LAW OFFICES
HERVEY, DOW & HINKLE
ROSWELL, NEW MEXICO

December 29, 1950

*Heard on
Feb. 1 Rb*

New Mexico Oil Conservation
Commission
Santa Fe, New Mexico

Attention: Mr. R. R. Spurrier

Gentlemen:

*(Feb 10 is
operation date)*

We enclose herewith in triplicate Application of the Magnolia Petroleum Company for approval of the Four Lakes Unit Area. The proposed Unit consists solely of State land situated in Lea County. We are anxious for you to give notice immediately of a hearing on the Unit as the Magnolia Petroleum Company is anxious to have the Agreement approved so that drilling operations may be commenced prior to February 1st.

You will note that the Application states that three copies of the proposed Unit Agreement are being filed. These have not yet been completed and will be forwarded to you just as soon as they are ready. We are sending the Application on to you at this time so that you may get out your notice with respect to the hearing.

Anything you can do to expedite the calling of the hearing in connection with this matter will be appreciated.

Yours very truly,

HERVEY, DOW & HINKLE

By *[Signature]*

CEH/se
Encl.

CC: S. P. Hannifin
Magnolia Petroleum Co.
Roswell, New Mexico

Case
25-g

Reply to:
Unit Division

file

January 10, 1956

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

Attention: Mr. R. M. Richardson

Re: (South Four Lakes Unit)
Drilling Operation

Gentlemen:

We are returning two signed copies of your
drilling report on your South Four Lakes Unit
No. 1 Well.

This well being located on Lot No. 2,
Sec. 2-12S-34E, on State Lease E-2064 will
perpetuate all acreage committed to this Unit,
to wit:

E-596 -- NW/4, Sec. 36-11S-34E
E-677 -- SW/4, Sec. 36-11S-34E
E-937 -- NE/4, Sec. 1-12S-34E
E-2013 -- All, Sec. 35-11S-34E

We would appreciate your further report-
ing on this Unit at such time as well is
completed and further development planned.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

MMR/m
enc: 2

cc: OCC-Santa Fe

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702

PRODUCTION DEPARTMENT
MIDCONTINENT DIVISION
P.W. HENDERSON
OPERATIONS MANAGER

252
January 15, 1981

Exploration & Development
South Four Lakes Unit
Lea County, New Mexico

JAN 19 1981
OIL CONSERVATION DIVISION
SANTA FE

New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Reference is made to Case No. 962, Order No. R-170, which requires the submission of progress reports covering exploration and development of any land committed to the South Four Lakes Unit, Lea County, New Mexico.

Seven wells, all listed on previous reports, have been completed on Unit acreage by Exxon. Currently, the status of these wells is as follows:

- 3 wells plugged and abandoned
- 3 wells producing
- 1 well used for salt water disposal

Exxon also negotiated a farmout on Unit acreage with Mabey Royalties, Inc., who drilled a well to 10,512 feet which was completed as a dry hole.

No further development is scheduled at this time. Should you desire additional information, please contact us.

Sincerely,

P.W. Henderson
P. W. Henderson

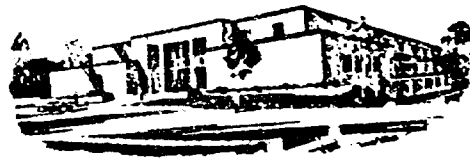
JEZ:dh
cc: Commission of Public Land
P. O. Box 791
Santa Fe, New Mexico 87501

State of New Mexico

252



JIM BACA
COMMISSIONER



Commissioner of Public Lands
December 7, 1983

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

Exxon Company, U.S.A.
1700 West Broadway
Andrews, Texas 79714

Re: 1984 Exploration and Development
South Four Lakes Unit
Lea County, New Mexico

ATTENTION: Mr. B. J. Ingram

Gentlemen:

The Commissioner of Public Lands has this date approved your 1984 Exploration and Development plan for the South Four Lakes Unit dated November 23, 1983. Such plan calls for no further development at this time. Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC/504/827-5744

JB/FOP/pm
encls.
cc:

OCD-Santa Fe, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

APPLICATION FOR APPROVAL OF FOUR LAKES UNIT AGREEMENT
LEA COUNTY, NEW MEXICO

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

COMES the undersigned, the Magnolia Petroleum Company, a corporation with offices at Dallas, Texas, and files herewith three copies of a proposed Unit Agreement for the development and operation of the Four Lakes Unit Area embracing land situated in Lea County, New Mexico, and hereby makes application for the approval of said Unit Agreement by the New Mexico Oil Conservation Commission as provided by law, and in support thereof shows:

1. That the Unit Area designated in said Agreement comprises 3,200 acres situated in Lea County, New Mexico, more particularly described as follows:

S $\frac{1}{2}$ Sec. 10, S $\frac{1}{2}$ Sec. 11, all of
Secs. 14, 15, 22, 23, Twp. 10 S.,
Rge. 34 E., N.M.P.M.

That all of the above described lands are lands owned by the State of New Mexico upon which the applicant and others are the owners of oil and gas leases issued by the Commissioner of Public Lands of the State of New Mexico.

2. That there is attached hereto, made a part hereof and for purposes of identification marked Exhibit "A" a plat reflecting the results of a seismograph survey made of the proposed Unit Area, and because of the geological and geophysical information available applicant believes that the above described area is an area suitable and proper for unitization.

3. That the undersigned, Magnolia Petroleum Company, is designated as the Unit Operator in said Agreement, and the Unit Operator is given the authority under the terms thereof to carry on all operations which are necessary for the development and the operation of the Unit Area for oil and gas subject to all applicable laws and regulations. That said Unit Agreement provides for the commencement of a test well for oil and gas upon some part of the lands committed to the Unit Agreement on or before February 1, 1951⁽¹⁰⁾, and for the drilling of said well to a depth of 12,500 feet or a depth sufficient to test the Devonian formation expected to be encountered at about said depth.

4. That said Unit Agreement is in substantially the same form as unit agreements heretofore approved by the Commissioner of Public Lands of the State of New Mexico and by the New Mexico Oil Conservation Commission, and it is believed that operations to be carried on under the terms thereof will promote the economical and efficient recovery of oil and gas to the end that the maximum yield may be obtained from the field or area if oil or gas should be produced in paying quantities, and the production is to be limited to such production as may be put to beneficial use with adequate realization of fuel and other values, and it is further believed that the Agreement will be in the interest of the conservation of oil and gas and the prevention of waste as contemplated by the Oil Conservation Statutes of the State of New Mexico.

5. That upon an order being entered by the New Mexico Oil Conservation Commission approving said Unit

Agreement and after approval thereof by the Commissioner of Public Lands of the State of New Mexico, a fully executed and approved copy of said Agreement will be filed with the New Mexico Oil Conservation Commission.

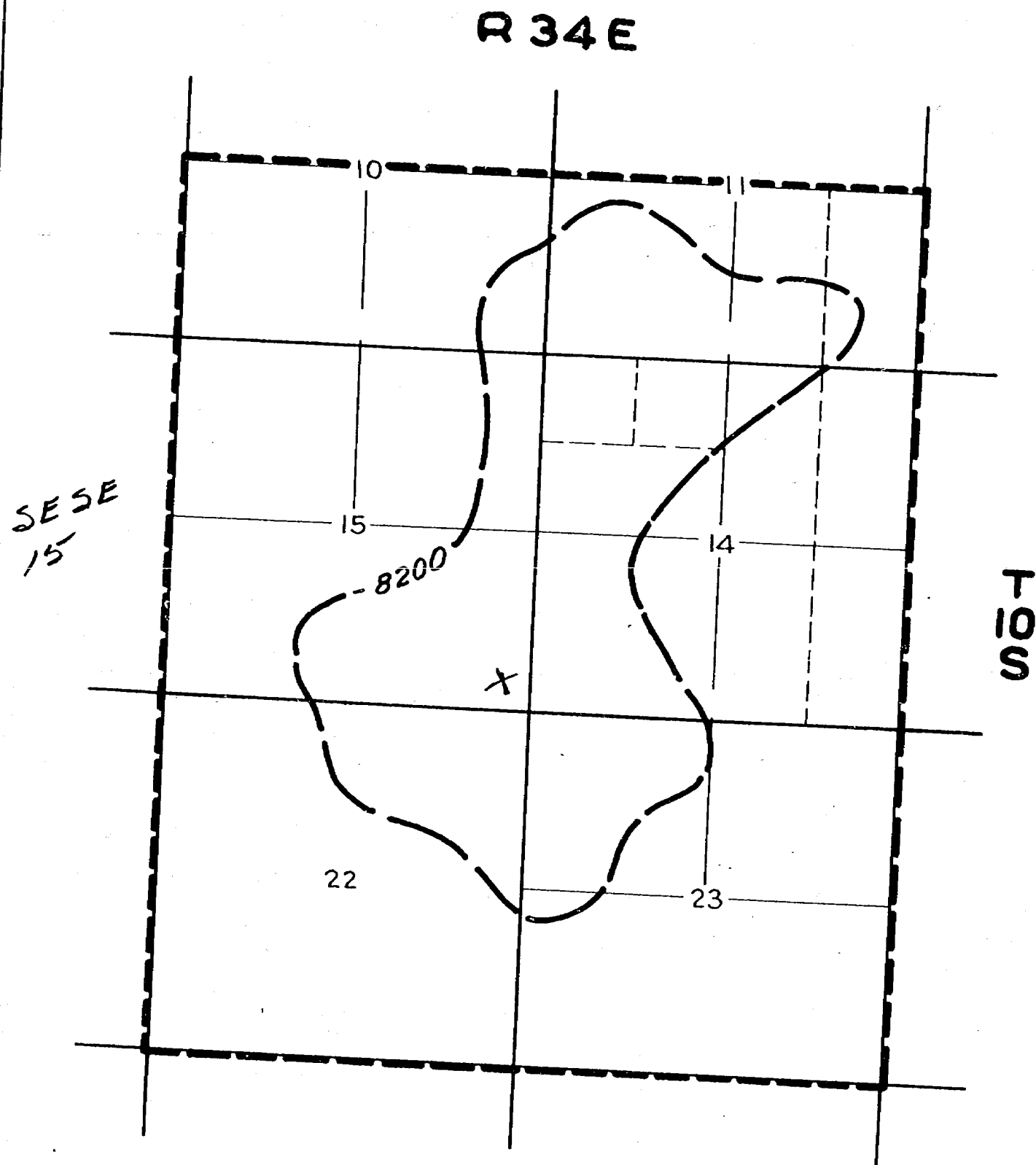
WHEREFORE, the undersigned applicant respectfully requests that a public hearing be held on the matter of the approval of said Unit Agreement as provided by the Statutes of the State of New Mexico and the regulations of the New Mexico Oil Conservation Commission, and that upon said hearing said Unit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

Respectfully submitted,

MAGNOLIA PETROLEUM COMPANY

BY

J. P. Hammit



FOUR LAKES UNIT
R 34 E, T 10 S, Lea County, New Mexico
Approximate Closing Contour
"D" Horizon

EXHIBIT "A"

OFFICE OF COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO

CERTIFICATE OF DISSOLUTION OF UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE FOUR LAKES UNIT AREA
LEA COUNTY, NEW MEXICO

WHEREAS, on the 31st day of January,
1951, a unit agreement was entered into for the development
and operation of the Four Lakes Unit Area, Lea County,
New Mexico, embracing the following described lands sit-
uated in said county, to-wit:

NEW MEXICO PRINCIPAL MERIDIAN
S $\frac{1}{2}$ Sec. 10, S $\frac{1}{2}$ Sec. 11, all of
Secs. 14, 15, 22 and 23, Twp.
10 S, Rge. 34 E, containing 3200
acres, more or less, and

WHEREAS, said unit agreement was duly approved
by the Commissioner of Public Lands of the State of New
Mexico on the 2nd day of February, 1951, and

WHEREAS, the Magnolia Petroleum Company was de-
signated in said unit agreement as the unit operator, and
said unit operator caused a test well to be drilled in
accordance with the terms of said unit agreement which
has been completed as a dry hole and duly abandoned as
such, and said unit operator has complied with all of
the regulations of the New Mexico Oil Conservation Com-
mission and the Commission of Public Lands with respect
thereto, and

WHEREAS, said unit agreement provides that the
same may be terminated at any time by not less than 75%
on an acreage basis of the owners of the working interests
signatory thereto with the approval of the Commissioner
of Public Lands, and

WHEREAS, the undersigned own more than 75% of the working interests on an acreage basis committed to said unit agreement and are desirous of terminating the same in accordance with the provisions thereof.

NOW, THEREFORE, the undersigned Magnolia Petroleum Company, Amerada Petroleum Corporation, Cities Service Oil Company, The Ohio Oil Company, Doyle W. Cotton, Champlin Refining Company, Mid-Continent Petroleum Company, and Sinclair Oil and Gas Company do hereby agree that the above-described unit agreement for the development and operation of the Four Lakes Unit Area, Lea County, New Mexico, shall be, and the same is hereby terminated subject to the approval of the Commissioner of Public Lands of the State of New Mexico, and the Magnolia Petroleum Company, the unit operator, is hereby authorized to file this Certificate of Dissolution with the Commissioner of Public Lands of the State of New Mexico and request his approval thereof, and upon approval thereof to file an approved copy with the New Mexico Oil Conservation Commission.

IN WITNESS WHEREOF, this instrument is executed on this, the 14th day of September, 1951.

ATTEST:

[Signature]
Asst. - Secretary
H. S. Edg

MAGNOLIA PETROLEUM COMPANY

By [Signature]
Vice-President

*See &
me
R. J. W.
J.F.C.*

ATTEST:

[Signature]
Asst. Secretary

AMERADA PETROLEUM CORPORATION

By [Signature]
Vice-President

APPROVED
A. P. C.
[Signature]
B.K.B.

XXXXXXXXXX

XXXXXXXXXX Secretary XXXXXXXXXXXX

CITIES SERVICE OIL COMPANY

By [Signature]
Attorney-in-Fact

ATTEST:

[Signature]
Asst. Secretary

THE OHIO OIL COMPANY

By

[Signature]
Vice-President

OK
[Signature]

[Signature]
Doyle W. Cotton

ATTEST:

[Signature]
Secretary



SHAMPLIN REFINING COMPANY

By

[Signature]
Vice-President

MID-CONTINENT PETROLEUM COMPANY

ATTEST:

[Signature]
Asst. Secretary

By

[Signature]
Vice-President

A. E. PIERCE

Approved
As to
Substance

ATTEST:

ASSISTANT

[Signature]
Secretary

SINCLAIR OIL & GAS COMPANY

By

[Signature]
Vice-President



CONSENT TO DISSOLUTION BY THE COMMISSIONER OF PUBLIC LANDS

The undersigned, Guy Shepard, Commissioner of Public Lands of the State of New Mexico, does hereby approve the termination and dissolution of the unit agreement for the development and operation of the Four Lakes Unit Area, Lea County, New Mexico.

Dated this, the 21 - day of Jan., 1952.

[Signature]
COMMISSIONER OF PUBLIC LANDS
of the State of New Mexico

STATE OF TEXAS
COUNTY OF Dallas

) SS.

On this 12th day of September, 1951,
before me personally appeared A. E. Chester
to me personally known, who, being by me duly sworn, did say
that he is the Vice President of Magnolia Petroleum
Company, and that the seal affixed to said instrument is the
corporate seal of said corporation, and that said instrument
was signed and sealed in behalf of said corporation by
authority of its Board of Directors, and said A. E. Chester
acknowledged said instrument to be the free act and deed of
said corporation.

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

My Commission expires:

June 1, 1953

Gladys H. Walters
Notary Public

GLADYS H. WALTERS, Notary Public
In and for Dallas County, Texas

STATE OF OKLAHOMA
COUNTY OF Tulsa

) SS.

On this 27 day of September, 1951,
before me personally appeared E. H. McCollough
to me personally known, who, being by me duly sworn, did say
that he is the Vice President of Amerada Petroleum
Corporation, and that the seal affixed to said instrument is
the corporate seal of said corporation, and that said instru-
ment was signed and sealed in behalf of said corporation by
authority of its Board of Directors, and said E. H. McCollough
acknowledged said instrument to be the free act and deed of
said corporation.

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

My Commission expires:

My commission expires January 13, 1954

Lois Brown
Notary Public

NEW MEXICO ACKNOWLEDGMENT

STATE OF OKLAHOMA)

SS:

COUNTY OF WASHINGTON)

On this 23 day of October, 1951, before me
personally appeared H. Ben Cox, to me known to be the person who exe-
cuted the foregoing instrument as Attorney in Fact in behalf of Cities
Service Oil Company, and acknowledged that he executed the same as the
free act and deed of said Cities Service Oil Company.

J. B. Rouch
Notary Public

My commission expires:

12/12/53

STATE OF TEXAS

COUNTY OF Harris

} SS.

On this 21st day of October, 1951, before me personally appeared R.C. Gwilliam to me personally known, who, being by me duly sworn, did say that he is the Vice President of The Ohio Oil Company, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said R.C. Gwilliam acknowledged said instrument to be the free act and deed of said corporation.

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

My Commission expires:

R. L. HERSHEY

Notary Public

Notary Public in and for Harris County, Texas
My Commission Expires June 1, 1953

STATE OF OKLAHOMA

COUNTY OF Garfield

} SS.

On this 21st day of October, 1951, before me personally appeared Doyle W. Cotton, to me personally known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

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

My Commission expires:

Don Wise
Notary Public

My Commission expires August 14, 1954

STATE OF OKLAHOMA

COUNTY OF Garfield

} SS.

On this 21st day of October, 1951, before me personally appeared Lawrence Muir to me personally known, who, being by me duly sworn, did say that he is the Vice President of Champlin Refining Company, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said Lawrence Muir acknowledged that said instrument is the free act and deed of said corporation. affixed

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

My Commission expires:

Don Wise
Notary Public

My Commission expires August 14, 1954

STATE OF OKLAHOMA
COUNTY OF

On this 28 day of September, 1951,
before me personally appeared W. E. [unclear]
to me personally known, who, being by me duly sworn, did say
that he is the Vice President of Mid-Continent Petroleum
Company, and that the seal affixed to said instrument is the
corporate seal of said corporation, and that said instrument
was signed and sealed in behalf of said corporation by author-
ity of its board of directors, and said W. E. [unclear]
acknowledged said instrument to be the free act and deed of
said corporation.

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

Charles Wagner
Notary Public

My Commission expires:
My Commission Expires, Aug. 14, 1952

STATE OF TEXAS
COUNTY OF

On this 27 day of November, 1951,
before me personally appeared D. R. Gearhart
to me personally known, who, being by me duly sworn, did say
that he is the Vice President of Sinclair Oil & Gas
Company, and that the seal affixed to said instrument is the
corporate seal of said corporation, and that said instrument
was signed and sealed in behalf of said corporation by auth-
ority of its Board of Directors, and said D. R. Gearhart
acknowledged said instrument to be the free act and deed of
said corporation.

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

Margaret E. Bogle
Notary Public

MARGARET E. BOGLE, Notary
Public in and for Tarrant County, Texas

My Commission expires:
June 1, 1953

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE FOUR LAKES UNIT AREA
SANTA FE COUNTY, NEW MEXICO

THIS AGREEMENT, entered into as of the _____ day of January, 1951, by and between the parties subscribing, ratifying, or consenting hereto, and herein referred to as the "parties hereto",

WITNESSETH

WHEREAS, the parties hereto are the owners of working, royalty or other oil or gas interests in the unit area subject to this agreement; 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 and approve the development or operation of State Lands under agreements made by lessees of State land jointly or severally with other lessees where such agreements provide for the unit operation or development of part of or all of any oil or gas pool, field or area; and,

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

WHEREAS, the parties hereto hold sufficient interests in the Four Lakes Unit Area covering the land hereinafter described to give reasonably effective control of operations therein; and,

WHEREAS, it is the purpose of the parties hereto to conserve natural resources, prevent waste, and secure other benefits obtainable through development and operation of the area subject to this agreement under the terms, conditions, and limitations herein set forth;

NOW, THEREFORE, in consideration of the premises and

the promises herein contained, the parties hereto commit to this agreement their respective interests in the below defined unit area, and agree severally among themselves as follows:

1. UNIT AREA. The following described land is hereby designated and recognized as constituting the unit area:

NEW MEXICO PRINCIPAL MERIDIAN,
NEW MEXICO

of Sec. 10, of Sec. 11, all of
Secs. 14, 15, 22 and 23, Twp.
10 S., Rge. 34 E., N.R.P.M.,
Lea County, New Mexico, contain-
ing 3,200 acres, more or less.

Exhibit "A" attached hereto is a map showing the unit area and the boundaries and identity of tracts and leases in said area to the extent known to the Unit Operator. Exhibit "B" attached hereto is a schedule showing to the extent known to the Unit Operator the acreage, percentage, and kind of ownership of oil and gas interests in all land in the unit area. However, nothing herein or in said schedule or map shall be construed as a representation by any party hereto as to the ownership of any interest other than such interest or interests as are shown in said map or schedule as owned by such party. Exhibits "A" and "B" shall be revised by the Unit Operator whenever changes in the unit area render such revision necessary, or when requested by the Commissioner of Public Lands hereinafter referred to as "Commissioner".

The above described unit area shall when practicable be expanded to include therein any additional tract or tracts regarded as reasonably necessary or advisable for the purposes of this agreement, or shall be contracted to exclude lands not within any participating area whenever such expansion or contraction is necessary or advisable to conform with the purposes of this agreement. Such expansion or contraction shall be

effected in the following manner:

(a) Unit Operator, on its own motion or on demand of the Commissioner shall prepare a notice of proposed expansion or contraction describing the contemplated changes in the boundaries of the unit area, the reasons therefor, and the proposed effective date thereof.

(b) Said notice shall be delivered to the Commissioner and copies thereof mailed to the last known address of each working interest owner, lessee, and lessor whose interests are affected, advising that 30 days will be allowed for submission to the Unit Operator of any objections.

(c) Upon expiration of the 30-day period provided in the preceding item (b) hereof, Unit Operator shall file with the Commissioner evidence of mailing of the notice of expansion or contraction and a copy of any objections thereto which have been filed with the Unit Operator.

(d) After due consideration of all pertinent information, the expansion or contraction shall, upon approval by the Commissioner, become effective as of the date prescribed in the notice thereof.

All land committed to this agreement shall constitute land referred to herein as "unitized land" or "land subject to this agreement."

2. UNITIZED SUBSTANCES. All oil and gas in any and all formations of the unitized land are unitized under the terms of this agreement and herein are called "unitized substances."

3. UNIT OPERATOR. Magnolia Petroleum Company, a corporation, is hereby designated as Unit Operator and by signature hereto commits to this agreement all interests in unitized substances vested in it as set forth in Exhibit "B", and agrees and consents to accept the duties and obligations of Unit

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Operator for the discovery, development, and production of unitized substances as herein provided. Whenever reference is made herein to the Unit Operator, such reference means the Unit Operator acting in that capacity and not as an owner of interests in unitized substances, and the term "working interest owner" when used herein shall include or refer to Unit Operator as the owner of a working interest when such an interest is owned by it.

4. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time provided a successor Unit Operator has been selected and approved and has agreed to accept the duties and responsibilities of the Unit Operator effective upon the relinquishment of such duties and responsibilities by the retiring Unit Operator. The resignation of the Unit Operator shall not release the Unit Operator from any liability or any default by it hereunder occurring prior to the effective date of its resignation.

Unit Operator may, upon default or failure in the performance of its duties or obligations hereunder, be subject to removal by the same percentage vote of the owners of working interests determined in like manner as herein provided for the selection of a new Unit Operator. Such removal shall be effective upon notice thereof to the Commissioner.

The resignation or removal of the Unit Operator under this agreement shall not terminate his right, title or interest as the owner of a working interest or other interest in unitized substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession of all equipment, materials and appurtenances used in conducting the unit operations and owned by the working interest owners to the new duly qualified successor Unit Operator or to the owners thereof if no such new Unit Operator is elected, to be used for the purpose of conducting unit operations hereunder.

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Nothing herein shall be construed as authorizing removal of any material, equipment and appurtenances needed for the preservation of any wells.

5. SUCCESSION UNIT OPERATOR. Whenever the Unit Operator shall resign as Unit Operator or shall be removed as hereinabove provided, the owners of the working interests according to their respective acreage interests in all unitized land shall by a majority vote select a successor Unit Operator; provided that, if a majority but less than 75 per cent of the working interests qualified to vote are owned by one party to this agreement, a concurring vote of sufficient additional parties, so as to constitute in the aggregate not less than 75 per cent of the total working interests, shall be required to select a new operator. Such selection shall not become effective until (a) a Unit Operator so selected shall accept in writing the duties and responsibilities of Unit Operator, and (b) the selection shall have been approved by the Commissioner. If no successor Unit Operator is selected and qualified as herein provided, the Commissioner at his election may declare this unit agreement terminated.

6. ACCOUNTING PROVISIONS. The Unit Operator shall pay in the first instance all costs and expenses incurred in conducting unit operations hereunder, and such costs and expenses so paid by the Unit Operator shall be apportioned among and borne by the owners of working interests and the Unit Operator reimbursed in accordance with the agreement or agreements entered into by and between the Unit Operator and the owners of working interests. In case of any inconsistency or conflict between this unit agreement and any such operating agreements, this unit agreement shall prevail.

7. RIGHTS AND OBLIGATIONS OF UNIT OPERATOR. Except

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as otherwise specifically provided herein, the exclusive right, privilege, and duty of exercising any and all rights of the parties hereto which are necessary or convenient for prospecting for, producing, storing, allocating, and distributing of the unitized substances are hereby delegated to and shall be exercised by the Unit Operator as herein provided. Acceptable evidence of title to said rights shall be deposited with said Unit Operator and, together with this agreement, shall constitute and define the rights, privileges, and obligations of Unit Operator. Nothing herein, however, shall be construed to transfer title to any land or to any lease or operating agreement, it being understood that under this agreement the Unit Operator, in its capacity as Unit Operator, shall exercise the rights of possession and use vested in the parties hereto only for the purposes herein specified.

6. DRILLING TO DISCOVERY. Within 30 days after the effective date hereof the Unit Operator shall commence operations upon a test well for oil and gas upon some part of the lands embraced within the unit area and shall drill said well with due diligence to a depth of 12,500 feet, or to a depth sufficient to test the Devonian formation expected to be encountered at about said depth, or until at a lesser depth unitized substances shall be discovered which can be produced in paying quantities, or until it shall be determined that the further drilling of said well would be unwarranted or impracticable. Until a discovery of a deposit of unitized substances capable of being produced in paying quantities, Unit Operator shall continue drilling diligently one well at a time allowing not more than six months between the completion of one well and the beginning of the next well until a well capable of producing unitized substances in paying quantities is completed to the satisfaction of the Commissioner, or until it is reasonably proved that the unitized land is incapable of producing unitized

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substances in paying quantities in the formations drilled hereunder.

Any well commenced prior to the effective date of this agreement upon the unit area and drilled to the depth provided herein for the drilling of an initial test well shall be considered as complying with the drilling requirements hereof with respect to the initial well. The Commissioner may modify the drilling requirements of this section by granting reasonable extensions of time when in his opinion such action is warranted. Upon failure to comply with the drilling provisions of this section, the Commissioner may, after reasonable notice to the Unit Operator and each working interest owner at their last known addresses, declare this unit agreement terminated.

9. PARTICIPATION AND ALLOCATION AFTER PRODUCTION.

Upon completion of a well capable of producing unitized substances in paying quantities, the owners of working interests shall participate in the production therefrom and in all other producing wells which may be drilled pursuant hereto in the proportions that their respective leasehold interests on an acreage basis bears to the total number of acres committed to the unit agreement, and such unitized substances shall be deemed to have been produced from the respective leasehold interests participating therein; and for the purpose of determining any benefits accruing under this agreement and the distribution of the royalty payable to the State of New Mexico each separate lease shall have allocated to it such percentage of said production as the number of acres in each lease respectively bears to the total number of acres committed hereto.

Notwithstanding any provision contained herein to the contrary, each working interest owner shall have the right to take such owner's proportionate share of the unitized substances in kind or to personally sell or dispose of the same,

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and nothing herein contained shall be construed as giving or granting to the Unit Operator the right to sell or otherwise dispose of the proportionate share of any working interest owner without specific authorization from time to time as to do.

10. ROYALTY AND RENTAL PAYMENT. All royalties due the State of New Mexico under the terms of the leases committed to this agreement shall be computed and paid on the basis of all unitized substances allocated to the respective leases committed hereto; provided, however, the State shall be entitled to take in kind its share of the unitized substances allocated to the respective leases, and in such case the Unit Operator shall make deliveries of such royalty oil in accordance with the terms of the respective leases.

If Unit Operator introduces gas obtained from sources other than the unitized substances into any producing formation for the purpose of repressuring, stimulating or increasing the ultimate recovery of unitized substances therefrom, a like amount of gas, if available, with due allowance for loss or depletion from any cause may be withdrawn 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 a plan of operations consented to by the Commissioner and approved by the Commission as conforming to good petroleum engineering practices; and provided further, that such right of withdrawal shall terminate on the termination of this unit agreement.

All rentals due the State of New Mexico shall be paid by the respective lease owners in accordance with the terms of their leases.

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11. CONSERVATION. Operations hereunder and production of unitized substances shall be conducted to provide for the most economical and efficient recovery of said substances without waste, as defined by or pursuant to state laws or regulations.

12. DRAINAGE. The 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.

13. LEASES AND CONTRACTS CONFORMED AND EXTENDED. The terms, conditions and provisions of all leases, subleases, operating agreements and other contracts relating to the exploration, drilling, development or operation for oil or gas of the lands committed to this agreement shall, upon approval hereof by the Commissioner, be, and the same are hereby expressly modified and amended to the extent necessary to make the same conform to the provisions hereof, but otherwise to remain in full force and effect. Each lease committed to this agreement shall continue in force beyond the term provided therein so long as this agreement remains in effect provided drilling operations upon the initial test well provided for herein shall have been commenced or is in the process of being drilled by the Unit Operator prior to the expiration of the shortest term lease committed to this agreement. Termination of this agreement shall not affect any lease which pursuant to the terms thereof or any applicable law shall continue in full force and effect thereafter.

14. COVENANTS RUN WITH LAND. The Covenants herein shall be construed to be covenants running with the land with respect to the interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance, of interest in land or leases subject hereto shall be and hereby is conditioned upon the

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assumption of all privileges and obligations hereunder by the grantee, transferee, or other successor in interest. No assignment or transfer of any working, royalty or other interest subject hereto shall be binding upon Unit Operator until the first day of the calendar month after Unit Operator is furnished with the original, photostatic or certified copy of the instrument of transfer.

15. EFFECTIVE DATE AND TERM. This agreement shall become effective upon approval by the Commissioner and shall terminate in two years after such date unless (a) such date of expiration is extended by the Commissioner, or (b) a valuable discovery of unitized substances has been made on unitized land during said initial term or any extension thereof in which case this agreement shall remain in effect so long as unitized substances can be produced from the unitized land in paying quantities, and, should production cease so long thereafter as diligent operations are in progress for the restoration of production or discovery of new production and so long thereafter as the unitized substances so discovered can be produced as aforesaid. This agreement may be terminated at any time by not less than 75 per cent on an acreage basis of the owners of the working interests signatory hereto with the approval of the Commissioner.

16. RATE OF PRODUCTION. All production and the disposal thereof shall be in conformity with allocations, allotments and quotas made or fixed by the Commission and in conformity with all applicable laws and lawful regulations.

17. APPEARANCES. Unit Operator shall, after notice to other parties affected, have the right to appear for and on behalf of any and all interests affected hereby before the Commissioner of Public Lands and the New Mexico Oil Conservation Commission and to appeal from orders issued under the

ILLEGIBLE

regulations of the Commissioner or Commission or to apply for relief from any of said regulations or in any proceedings relative to operations pending before the Commissioner or Commission; provided, however, that any other interested party shall also have the right at his own expense to appear and to participate in any such proceedings.

18. **NOTICES.** All notices, demands or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if given in writing and personally delivered to the party or sent by postpaid registered mail, addressed to such party or parties at their respective addresses set forth in connection with the signatures hereto or to the ratification or consent hereto or to such other address as any such party may have furnished in writing to party sending the notice, demand or statement.

19. **UNAVOIDABLE DELAY.** All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or produce unitized substances from any of the lands covered by this agreement shall be suspended while, but only so long as, the Unit Operator despite the exercise of due care and diligence is prevented from complying with such obligations, in whole or in part, by strikes, war, acts of God, Federal, State, or municipal law or agencies, unavoidable accidents, uncontrollable delays in transportation, inability to obtain necessary materials in open market, or other matters beyond the reasonable control of the Unit Operator whether similar to matters herein enumerated or not.

20. **LOSS OF TITLE.** In the event title to any tract or unitized land or substantial interest therein shall fail and the true owner cannot be induced to join the unit agreement so that such tract is not committed to this agreement or the operation thereof hereunder becomes impracticable as a result thereof, such tract may be eliminated from the unitized area.

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In the event of a dispute as to the title to any royalty, working or other interest subject hereto, the Unit Operator may withhold payment or delivery of the allocated portion of the unitized substances involved on account thereof without liability for interest until the dispute is finally settled, provided that no payments of funds due the State of New Mexico shall be withheld. Unit Operator as such is relieved from any responsibility for any defect or failure of any title hereunder.

21. SUBSEQUENT JOINDER. Any oil or gas interest in lands within the unit area not committed hereto prior to the submission of this agreement for final approval either by the Commission or Commissioner may be committed hereto by the owner or owners of such rights subscribing or consenting to this agreement or executing a ratification thereof, and if such owner is also a working interest owner, by subscribing to any operating agreement affecting the allocation of costs of exploration, development and operation. After operations are commenced hereunder, the right of subsequent joinder by a working interest owner shall be subject to all of the requirements of any applicable operating agreement between the working interest owners relative to the allocation of costs of exploration, development and operation. A subsequent joinder shall be effective as of the first day of the month following the filing with the Commissioner and the Commission of duly executed counterparts of the instrument or instruments committing the interest of such owner to this agreement.

22. COUNTERPARTS. This agreement may be executed in any number of counterparts no one of which needs to be executed by all parties or may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all those parties who have executed such a counterpart, ratification, or consent hereto with the same

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force and effect as if all such parties had signed the same document and regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands within the above described unit area.

IN WITNESS WHEREOF, the undersigned parties hereto have caused this agreement to be executed as of the respective dates set opposite their signatures.

DESCRIPTION OF INTERESTS COMMITTED
TO FOUR LAKES UNIT AGREEMENT BY
REFERENCE TO TRACT NUMBERS IN EX-
HIBIT "B" ATTACHED TO UNIT AGREEMENT

SIGNATURES AND ADDRESSES

NACOLIA PETROLEUM COMPANY

Tracts: 5, 6, 7, 8.

By _____
President

ATTEST:

Secretary

Address: Nacolia Building
Dallas, Texas

Date _____

UNIT OPERATOR

WORKING INTEREST OWNERS

AMERADA PETROLEUM CORPORATION

Tract No. 1

By _____
President

ATTEST:

Secretary

Address: _____
 Tulsa, Oklahoma

Date _____

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Tract No. 2

Don E. DOWERS

Address:

Date:

CHAMPLIN REFINING COMPANY

Tract No. 3

BY

President

ATTEST:

Secretary

Address:

Date:

CITIES SERVICE OIL COMPANY

Tract No. 4

BY

President

ATTEST:

Secretary

Address:

Date:

MID-CONTINENT PETROLEUM COMPANY

Tract No. 9

BY

President

ATTEST:

Secretary

Address:

Date:

ILLEGIBLE

Tract No. 10

Harry W. Moore

Address:

Date:

OHIO OIL COMPANY

Tracts 11 and 12.

BY

President

ATTEST:

Secretary

Address:

Findlay, Ohio

Date:

Tract No. 13

William F. Hector

Address:

Date:

BINGLAIN OIL & GAS COMPANY

Tract No. 14

BY

President

ATTEST:

Secretary

Address:

Tulsa, Oklahoma

Date:

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INDEX

COMPANIES SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS IN ALLIANCE IN THE FIVE YEARS 1945-1949 UNIT AGREEMENT

1	2	3	4	5	6	7	8	9	10	11
NAME	PERCENTAGE	NO. OF	EXPIRATION DATE	LAST	RECORD OWNER	OWNERSHIP	PERCENTAGE	NO. OF	EXPIRATION DATE	LAST
1	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
2	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
3	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
4	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
5	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
6	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
7	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
8	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
9	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
10	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation
11	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation	100%	1	12/10/59	State of N.Y.	Western Petroleum Corporation

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PLANT NO.	DESCRIPTION	NO. OF ACRES	LEASE NO. AND EXPIRATION DATE OF LEASE	LAND OWNER	RECORD OWNER OF LEASE	OPERATING INTEREST OWNER & PERCENTAGE
12	12500 Sec. 14, Twp. 10 S., Rge. 34 E.	60	B-10347 6/10/53	State of N.Y.	Union Oil Company	
13	10000 Sec. 14, Twp. 10 S., Rge. 34 E.	40	B-9999 1/11/53	State of N.Y.	William F. Keator	
14	10000 Sec. 10, Twp. 10 S., Rge. 34 E.	320	B-3494 5/10/40	State of N.Y.	Standard Oil & Gas Company	
15	10000 Sec. 14, Twp. 10 S., Rge. 34 E.	80	Unleased	State of N.Y.	Unleased	
TOTAL ACRES:		3,200				