



MAIN OFFICE CCC

DEC 13 1954 9:01

## CONTINENTAL OIL COMPANY

Box 431  
Midland, Texas  
December 8, 1954

Mr. John A. Anderson  
Oil and Gas Supervisor  
Southwestern Region  
United States Geological Survey  
P. O. Box 997  
Roswell, New Mexico

*Let file  
cover 227*

Dear Mr. Anderson:

We are transmitting herewith for your consideration four copies of the Plan of Development for the Calendar Year 1955 covering the Diamond Mound Unit Area in Chaves and Eddy Counties, New Mexico. If this Plan of Development meet with your approval, please return one approved copy to this office at your earliest convenience.

Yours very truly,

*R. L. Adams*

R. L. Adams  
Assistant Division Supt.  
of Production  
West Texas-New Mexico Division

RLA-HKT  
Encs.

BY REGISTERED MAIL

cc: Commissioner of Public Lands, Santa Fe, N. M.  
Oil Conservation Commission, Santa Fe, N. M.

THE UNITED STATES DEPARTMENT OF THE INTERIOR  
THE STATE OF NEW MEXICO

PLAN OF DEVELOPMENT  
FOR THE CALENDAR YEAR 1955  
DIAMOND MOUND UNIT AREA  
CHAVES AND EDDY COUNTIES, NEW MEXICO

TO THE OIL AND GAS SUPERVISOR  
UNITED STATES GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

COMMISSIONER OF PUBLIC LANDS  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

*not acceptable*  
*revised*  
*dated 12/15/54*  
*approved 12/23/54*

Pursuant to the provisions of Section 9 of the Unit Agreement approved by the Acting Director of the United States Geological Survey on October 24, 1950, the Commissioner of Public Lands of the State of New Mexico on October 10, 1950, and the State of New Mexico Oil Conservation Commission on July 20, 1950, affecting lands in the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, Continental Oil Company, as Operator of said unit, hereby submits for your approval a Plan of Development for the calendar year 1955.

1. Development

The unit area contains at present one producing dry gas well, the G. W. Duffield No. 1, Northeast Quarter of the Southwest Quarter of Section 21, Township 16 South, Range 27 East, and one approved Participating Area for the Pennsylvanian Sand Zone covering the Southwest Quarter, South Half of the Northwest Quarter, West Half of the Southeast Quarter, and the Southwest Quarter of the Northeast Quarter of Section 21, Township 16 South, Range 27 East, Eddy County, New Mexico.

2. Further Development

The Unit Operator has drilled or supported the drilling of several dry holes in the Unit Area which in addition to an extensive seismograph program has resulted in considerable

expense. Notwithstanding the results shown so far obtained to date, the Unit Operator is diligently continuing to study the Unit Area for further exploration and development. It is probable that additional development will be undertaken during the Year 1955.

3. Offset Obligations

The Unit Operator will take appropriate and adequate measures to prevent drainage of oil or gas from lands included in the unit area.

4. Effective Date

This Plan of Development shall be effective January 1, 1955, subject to approval by the Oil and Gas Supervisor, the Commissioner of Public Lands, and the Oil Conservation Commission.

5. Modifications

It is understood that portions of the Plan of Development herein outlined are dependent upon certain information to be obtained prior and subsequent to drilling, and other contingencies, such as projected formation depths, exact locations, and the availability of well casing; and for these reasons, this Plan of Development may be modified slightly from time to time, with the approval of the Oil and Gas Supervisor, the Commissioner of Public Lands, and the Oil Conservation Commission, to meet changing conditions.

CONTINENTAL OIL COMPANY, OPERATOR  
DIAMOND MOUND UNIT

By:

R. L. Adams  
R. L. Adams  
Assistant Division Supt.  
of Production  
West Texas-New Mexico Division

Dated:

December 8, 1954.

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

September 20, 1954

Continental Oil Company  
Fair Building  
Ft. Worth, Texas

Subject: Plan of Development  
Diamond Mound  
Agreement

Gentlemen:

Reference is made to your letter of August 31, 1954, requesting approval of the Plan of Development for the remainder of the calendar year 1954 for the above captioned unit.

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

Very truly yours,

W. B. Macey  
Secretary-Director

WBM:ak

cc: State Land Office  
Santa Fe, New Mexico

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

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227  
September 9, 1954

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Continental Oil Company  
Fair Building  
Fort Worth 2, Texas

Plan of Development for remainder  
of 1954 Calendar Year, Diamond  
Mound Unit Agreement, Chaves and  
Eddy Counties, New Mexico

Gentlemen:

Your plan of development dated August 31, 1954, for the  
remainder of the 1954 calendar year, for the Diamond Mound Unit  
Agreement in Chaves and Eddy Counties, New Mexico is approved on  
this date subject to like approval by the United States Geological  
Survey and Oil Conservation Commission

One approved copy of the plan is returned herewith.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

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



237

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

IN REPLY REFER TO:

1.10

P. O. Box 6721  
Roswell, New Mexico

September 3, 1954

Continental Oil Company  
Fair Building  
Fort Worth 2, Texas

Gentlemen:

The plan of development dated August 31, 1954, for the remainder of calendar year 1954, for the Diamond Mound unit agreement, New Mexico, I-Sec. No. 757, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is returned herewith.

Very truly yours,



JOHN A. ANDERSON

Regional Oil and Gas Supervisor

Copy to: Cons. Div., Wash., D.C. (W/1 copy of plan)  
New Mexico Oil Cons. Comm., Santa Fe (ltr. only) ✓

MAIN OFFICE 800

## CONTINENTAL OIL COMPANY

FAIR BUILDING  
FORT WORTH 2, TEXAS

August 31, 1954

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

### REGISTERED MAIL

Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 6721  
Roswell, New Mexico

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

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

Gentlemen:

In my letter of July 9th it was stated that in view of the information obtained in the Tom Nolan No. 1 test, located 660 feet from the south and 1980 feet from the east lines of Section 4, Township 16 South, Range 27 East, Eddy County, New Mexico, that Continental Oil Company plans no further development in the Diamond Mound Unit.

We have, of course, continued to make exhaustive studies for further development in the Diamond Mound Unit. Recent developments have made possible better coordination of Geophysical and Geological information. As a result of these studies and developments, the Exploration Department of

Joint Letter  
Page 2

Continental Oil Company now feels that additional development of the Diamond Mound Unit may be warranted.

Therefore, we should like to maintain the Diamond Mound Unit as an operating entity, and in lieu of the statement that Continental plans no further development, we should like to submit as a plan of development that Continental will complete its study of the information on hand with the idea in mind that additional development may be undertaken within the next six months.

It is respectfully requested that this be accepted as Continental's plan of development for the balance of the year 1954.

Yours very truly,



HLJ-LP  
Carbon copies to:  
Oil and Gas Supervisor (3)  
Commissioner of Public Lands (1)  
Oil Conservation Commission (1)



1 227  
IN REPLY REFER TO  
file

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
MAIN OFFICE OCC GEOLOGICAL SURVEY

1954 JUL 23 AM 8:51 P. O. Box 6721  
Roswell, New Mexico

July 20, 1954

Continental Oil Company  
Fair Building  
Fort Worth 2, Texas

Gentlemen:

Reference is made to your letter of July 9 regarding the plan of development for the Diamond Mound unit area, New Mexico. You stated that in view of the data obtained from the drilling of Tom Nolan No. 1 well in sec. 4, T. 14 S., R. 27 E., N.M.P.M., which was plugged and abandoned, Continental Oil Company plans no further development in the unit area.

In the absence of any further development, it appears that steps should be taken to terminate the unit agreement pursuant to the last sentence of section 18 thereof. Please advise this office as to your future plans regarding the unit agreement.

Very truly yours

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc to: ✓ Oil Conservation Commission

227  
MAIN OFFICE



OCC

1954 JUL 12 AM 9 30  
**CONTINENTAL OIL COMPANY**

FAIR BUILDING  
FORT WORTH 2, TEXAS

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

July 9, 1954

Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 6721  
Roswell, New Mexico

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

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

Gentlemen:

In my letter of April 6, it was stated that Continental Oil Company was studying the data obtained in the exploratory test, Tom Nolen No. 1, located 660' from the South and 1980' from the East lines of Section 4, Township 16 S, Range 27 E, Eddy County, New Mexico, to determine the future plan of development for the Diamond Mound Unit.

It was further stated that we would furnish you, by July 12, 1954, a definite plan of development for the Diamond Mound Unit.

In compliance with this statement and in view of the completion data obtained from the drilling of the said Tom Nolen

Joint Letter  
Page 2

No. 1, which was plugged and abandoned on March 12, 1954, we are hereby notifying you that Continental Oil Company plans no further development in the Diamond Mound Unit.

Yours very truly,



HLJ-SR  
Carbon copies to:  
Oil and Gas Supervisor (3)  
Commissioner of Public Lands (1)  
Oil Conservation Commission (1)

BY REGISTERED MAIL



MAIN OFFICE OCC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

IN REPLY REFER TO:

1954 APR 23 AM 8:48

P. O. Box 6721  
Roswell, New Mexico

April 27, 1954

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*Hof*  
*227*

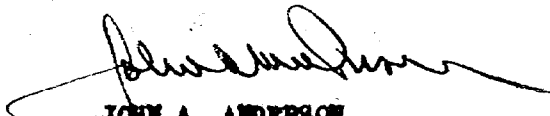
Continental Oil Company  
Fair Building  
Fort Worth 2, Texas

Gentlemen:

The supplemental plan of development dated April 6, 1954, for the Diamond Mound unit agreement, New Mexico, I-Sec. No. 757, has been approved on this date subject to like approval by the Commissioner of Public Lands, State of New Mexico, and the New Mexico Oil Conservation Commission.

One approved copy of the plan of development is returned herewith.

Very truly yours,

  
JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Enclosure

Copy to: Conservation Division, Washington, D.C. (w/1 copy of plan)  
Commissioner of Public Lands  
New Mexico Oil Conservation Commission



April 27, 1954

Continental Oil Company  
Box Building  
Fort Worth, Texas

Re: Diamond Mound Unit Agreement  
Chaves and Eddy Counties,  
New Mexico

Gentlemen:

This letter is to inform you that your supplemental plan of development for the Diamond Mound Unit Area dated April 6, 1954 has been approved by this office as of this date.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

cc: U. S. Geological Survey (3)  
Roswell, New Mexico

Oil Conservation Commission (1) ✓  
Santa Fe, New Mexico

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

April 23, 1954

**Continental Oil Company**  
**Fair Building**  
**Fort Worth, Texas**

**Re: Diamond Mound Unit**

**Gentlemen:**

**This will constitute Commission approval of Supplemental Plan of Development for the Diamond Mound Unit Area which was submitted on April 8th to this Commission.**

**Very truly yours,**

**R. R. SPURRIER**  
**Secretary and Director**

**RRS:vc**

**cc: U. S. Geological Survey (3)**  
**Roswell, New Mexico**

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

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# Memo

From

To Mike.

Suggest approval.

Hud

OK R's  
4/23

4-7  
MAIN OFFICE OCC

# CONTINENTAL OIL COMPANY

FAIR BUILDING  
FORT WORTH 2, TEXAS

April 6, 1954

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 6721  
Roswell, New Mexico

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

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

Gentlemen:

Prior to January 1, 1954, the Plan of Development for the calendar year of 1954 for the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, was submitted pursuant to the provisions of the Unit Agreement. At the time this was submitted, an exploratory test, the Tom Nolen No. 1, was being drilled 660 feet from the south and 1,960 feet from the East lines of Section 4, Township 16 South, Range 27 East, Eddy County, New Mexico. Under Item 4 of the 1954 development plan for the unit was included a statement that the operator would submit a supplemental plan of development upon the completion of this Ellenburger test well.

The Nolen No. 1 was drilled to a total depth of 9,968 feet in dolomite and chert. Five drill stem tests were taken,

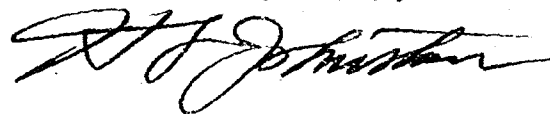
Joint Letter  
Page 2

one in the San Andres, one in the Pennsylvanian, and one in the Devonian. None of these had any signs of commercial production. Another drill stem test in the Devonian recovered 6,450 feet of sulphur water and the last drill stem test 9,875 to 9,968 feet in the Ellenburger recovered 8,000 feet of sulphur water. The well was plugged and abandoned on March 12, 1954.

The Exploration Department of the Continental Oil Company is now studying the information and data learned as a result of the drilling of this well and is correlating it with the seismograph and core drill work. It is estimated that it will require 90 days to complete this study. At that time the company will be able to furnish you the conclusions from that study and a definite future course of action in regard to this unit.

It is, therefore, requested that this letter be accepted as the supplemental plan of development which was to be furnished 30 days after the completion of the Nolen well, with the understanding that a definite plan will be submitted by July 12, 1954.

Yours very truly,



HLJ-LF  
Carbon copies to:  
Oil and Gas Supervisor(3)  
Commissioner of Public Lands(1)  
Oil Conservation Commission(1)

BY REGISTERED MAIL

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

January 26, 1954

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**Continental Oil Company  
Fair Building  
Fort Worth 2, Texas**

**Attention: Mr. H. L. Johnston, Regional Manager of Production  
Southwestern Region**

**Gentlemen:**

We are enclosing herewith approved copy of Plan of Development for the Calendar Year 1954, Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico. This approval is conditioned upon the operator filing an amended development agreement 30 days after completion of the Continental Nolan Federal #1 as set out in Paragraph 4 of said Plan of Development.

Very truly yours,

**R. R. Spurrier  
Secretary and Director**

RRS:vc

New Mexico  
OIL CONSERVATION COMMISSION

GOVERNOR EDWIN L. MECHEV  
CHAIRMAN  
LAND COMMISSIONER E.S. WALKER  
MEMBER  
STATE GEOLOGIST R.R. SPURRIER  
SECRETARY AND DIRECTOR



P. O. BOX 671  
SANTA FE, NEW MEXICO

MEMORANDUM:

TO: R. R. Spurrier and W. B. Macey  
FROM: Elvis A. Utz  
SUBJECT: Diamond Mound Unit

*RRS  
15 Jan*

The Development Plan for 1954 actually only commits them to one well, the Continental - Nolan Federal #1, SW/4 SE/4, 21-16S-27E Eddy County. However, this well is to be drilled to 11,000 feet. As of December 22, 1953 this well was drilling at 3924 in sand and lime. This unit has one producing well, the Continental-Duffield #1 NESW 21-16S-27E, which had an I.P. of 3800 MCF gas and 30 bbls., distillate per day, SIP 2943 psia. A plat of the participating area is attached.

I am recommending this development agreement be approved provided the operators file an amended development agreement 30 days after completion of the Continental - Nolan Federal #1.

Mr. Ed Canfield is agreeable to this procedure. Canfield was consulted by phone January 11, 1954 - 10:15 A.M.

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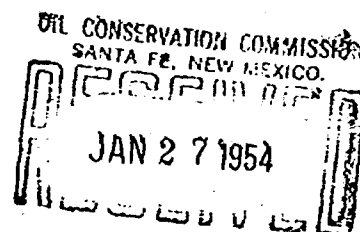


## CONTINENTAL OIL COMPANY

FAIR BUILDING  
FORT WORTH 2, TEXAS

January 25, 1954

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION



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

Gentlemen:

Under date of December 23, 1953, we forwarded to you two copies of a Plan of Development for the calendar year 1954 covering the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico. We requested that an approved copy of this instrument be returned for our files.

After checking our records, we are unable to find a reply from you regarding the above Plan of Development, and we shall appreciate hearing from you regarding this matter at your earliest convenience.

Yours very truly,

A handwritten signature in cursive script, appearing to read "H. L. Johnston".

HLJ-LP





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 6721  
Roswell, New Mexico

227  
IN REPLY REFER TO:

DEC 31 1953

December 29, 1953

Continental Oil Company  
Fair Building  
Fort Worth, Texas


Attention: Mr. H. L. Johnston

Gentlemen:

The plan of development dated December 23, 1953, for the Diamond Mound unit area, I-Sec. No. 757, Chaves and Eddy Counties, New Mexico, for the calendar year 1954, has been approved on this date subject to like approval by the Commissioner of Public Land, State of New Mexico, and the New Mexico Oil Conservation Commission.

Our approved copy of the plan is returned herewith. It is understood that a supplemental plan of development will be submitted upon completion of the Ellenburger test well now drilling on the unit area in the SW1/4, Sec. 4, T. 16 S., R. 27 E., N.M.P.M.

Very truly yours,

  
JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Enclosure

Copy to: Commissioner of Public Lands, Santa Fe, N. Mex.  
Oil Conservation Commission, Santa Fe, N. Mex. ✓

# CONTINENTAL OIL COMPANY

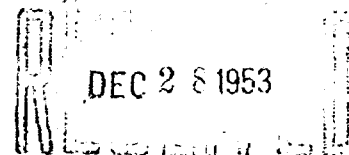
FAIR BUILDING

FORT WORTH 2, TEXAS

December 23, 1953

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

*Wt*  
Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 997  
Roswell, New Mexico



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

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

Gentlemen:

We are transmitting herewith for your consideration a Plan of Development for the Calendar Year 1954 covering the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico. If this Plan of Development meets with your approval, please return one signed copy to this office at your earliest convenience.

Yours very truly,

HLJ-LP  
Enclosures  
Supervisor - 4 sets  
Commissioner - 2 "  
Commission - 2 "  
BY REGISTERED MAIL

THE UNITED STATES DEPARTMENT OF THE INTERIOR  
THE STATE OF NEW MEXICO

PLAN OF DEVELOPMENT  
FOR THE CALENDAR YEAR 1954  
DIAMOND MOUND UNIT AREA  
CHAVES AND EDDY COUNTIES, NEW MEXICO

TO THE OIL AND GAS SUPERVISOR  
UNITED STATES GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

COMMISSIONER OF PUBLIC LANDS  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

Pursuant to the provisions of Section 9 of the Unit Agreement approved by the Acting Director of the United States Geological Survey on October 24, 1950, the Commissioner of Public Lands of the State of New Mexico on October 10, 1950, and the State of New Mexico Oil Conservation Commission on July 20, 1950, affecting lands in the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, Continental Oil Company, as Operator of said unit, hereby submits for your approval a Plan of Development for the calendar year 1954.

1. Exploratory

An exploratory test is now being drilled to approximately 11,000 feet to test the Ellenburger formation at a location 660 feet from the South line and 1,980 feet from the East line of Section 4, Township 16 South, Range 27 East, Eddy County, New Mexico. This well will test all other formations that show possibilities of commercial hydrocarbon production.

2. Development

The unit area contains at present one producing dry gas well, the G. W. Duffield No. 1, Northeast Quarter of the Southwest Quarter of Section 21, Township 16 South, Range 27 East, and one approved Participating Area for the Pennsylvanian Sand Zone covering the Southwest Quarter, South Half of the

Northwest Quarter, West Half of the Southeast Quarter, and the Southwest Quarter of the Northeast Quarter of Section 21, Township 16 South, Range 27 East, Eddy County, New Mexico.

No additional development wells are contemplated during the year 1954 pending completion of the Ellenburger exploratory test described in paragraph (1) above.

3. Offset Obligations

The Unit Operator will take appropriate and adequate measures to prevent drainage of oil or gas from lands included in the unit area.

4. Further Development

This Plan of Development is submitted pending completion of the Ellenburger exploratory test well described in paragraph (1) above. It is the intention of the Operator to submit a Supplemental Plan of Development upon the completion of said Ellenburger well.


5. Effective Date

This Plan of Development shall be effective January 1, 1954, subject to approval by the Oil and Gas Supervisor, the Commissioner of Public Lands, and the Oil Conservation Commission.

6. Modifications

It is understood that portions of the Plan of Development herein outlined are dependent upon certain information to be obtained prior and subsequent to drilling, and other contingencies, such as projected formation depths, exact locations, and the availability of well casing; and for these reasons, this Plan of Development may be modified slightly from time to time, with the approval of the Oil and Gas Supervisor, the Commissioner of Public Lands, and the Oil Conservation Commission, to meet changing conditions.

CONTINENTAL OIL COMPANY, OPERATOR  
DIAMOND MOUND UNIT


By:   
H. L. Johnston  
Regional Manager  
of Production  
Southwestern Region

Dated:

December 23, 1953.

Approved this 26th day of January, 1954

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

BY:   
Secretary and Member



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

IN REPLY REFER TO: <sup>RS</sup>

P. O. Box 997  
Roswell, New Mexico

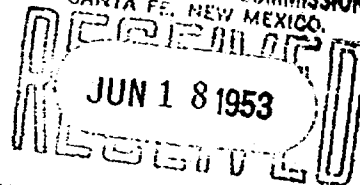
June 16, 1953

Continental Oil Company  
Fair Building  
Fort Worth, Texas

Attention: Mr. H. L. Johnston

Gentlemen:

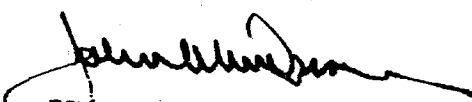
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO.



Your plan of development dated May 9, 1953, for the Diamond Mound Unit Area, I-Sec. No. 757, covering the period May 12, 1953, through December 31, 1953, is approved on this date subject to like approval by the Commissioner of Public Lands, State of New Mexico, and the New Mexico Oil Conservation Commission.

Only three copies of the plan of development were submitted, all of which are needed for Survey records. If you wish to have a copy of the plan showing our approval thereon, please submit one additional copy.

Very truly yours,

  
JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Commissioner of Public Lands, Santa Fe  
Oil Conservation Commission, Santa Fe  
Continental Oil Company, Roswell

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

June 8, 1953

Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 997  
Roswell, New Mexico

Re: Plan of Development for the  
Calendar Year 1953, Diamond  
Mound Unit Area, Chaves and  
Eddy Counties, New Mexico.

Dear Sir:

I am in receipt of the above captioned request which is allright with me but, I will withhold approving the same, until I have heard from you on the matter.

Very truly yours,

R. R. Spurrier  
Secretary-Director

cc: Mr. E. S. Walker  
Commissioner of Public Lands  
Santa Fe, New Mexico

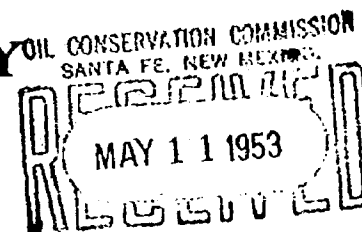
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# CONTINENTAL OIL COMPANY

FAIR BUILDING  
FORT WORTH 2, TEXAS

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

May 9, 1953



Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 997  
Roswell, New Mexico

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

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

Gentlemen:

We are transmitting herewith for your consideration a Plan of Development for the Calendar Year 1953 covering the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico. If this Plan of Development meets with your approval, please return one signed copy to this office at your earliest convenience.

Yours very truly,

*H. L. Johnston*

*OK RS*  
*6/8*

HLJ-DM  
Enclosures



THE UNITED STATES DEPARTMENT OF THE INTERIOR  
THE STATE OF NEW MEXICO

PLAN OF DEVELOPMENT  
FOR THE CALENDAR YEAR 1953  
DIAMOND MOUND UNIT AREA  
CHAVES AND EDDY COUNTIES, NEW MEXICO

TO THE OIL AND GAS SUPERVISOR  
UNITED STATES GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

COMMISSIONER OF PUBLIC LANDS  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

Pursuant to the provisions of Section 9 of the Unit Agreement approved by the Acting Director of the United States Geological Survey on October 24, 1950, the Commissioner of Public Lands of the State of New Mexico on October 10, 1950, and the State of New Mexico Oil Conservation Commission on July 20, 1950, affecting lands in the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, Continental Oil Company, as Operator of said unit, hereby submits for your approval a Plan of Development for the calendar year 1953.

1. Exploratory

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2. Development

The unit area contains at present one producing dry gas well, the G. W. Puffield No. 1, Northeast Quarter of the Southwest Quarter of Section 21, Township 16 South, Range 27 East, and

one approved Participating Area for the Pennsylvanian Sand Zone covering the Southwest Quarter, South Half of the Northwest Quarter, West Half of the Southeast Quarter, and the Southwest Quarter of the Northeast Quarter of Section 21, Township 16 South, Range 27 East, Eddy County, New Mexico.

No additional development wells are contemplated during the year 1953 pending completion of the Ellenburger exploratory test described in paragraph (1) above.

3. Offset Obligations

The Unit Operator will take appropriate and adequate measures to prevent drainage of oil or gas from lands included in the unit area.

4. Further Development

This Plan of Development is submitted for the period ending December 31, 1953. Prior to that date another Plan of Development will be submitted to the Oil and Gas Supervisor, the Commissioner of Public Lands, and the Oil Conservation Commission.


5. Effective Date

This Plan of Development shall be effective May 12, 1953, subject to approval by the Oil and Gas Supervisor, the Commissioner of Public Lands, and the Oil Conservation Commission.

6. Modifications

It is understood that portions of the Plan of Development herein outlined are dependent upon certain information to be obtained prior and subsequent to drilling, and other contingencies, such as projected formation depths, exact locations, and the availability of well casing; and for these reasons, this Plan of Development may be modified slightly from time to time, with the approval of the Oil and Gas Supervisor, the Commissioner of Public Lands, and the Oil Conservation Commission, to meet changing conditions.

CONTINENTAL OIL COMPANY, OPERATOR  
DIAMOND ROUND UNIT

By:   
H. L. Johnston  
Regional Manager  
of Production  
Southwestern Region

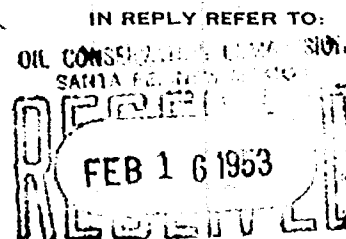
Dated:

May 9, 1953.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 997  
Roswell, New Mexico



February 12, 1953

*Case 227*

Continental Oil Company  
Fair Building  
Fort Worth, Texas

Attention: Mr. H. L. Johnston

Gentlemen:

Your application of November 3, 1952, requests a six months extension of time from November 12, 1952, within which to file a plan of development and operation for the Diamond Mound Unit Area, I-See. No. 757, Chaves and Eddy Counties, New Mexico, on which a productive well was completed May 13, 1952.

Extension of time to May 12, 1953, within which to submit such plan of development is hereby granted pursuant to Section 9 of the unit agreement. Similar action was taken by the Commissioner of Public Lands of the State of New Mexico on November 10, 1952.

Very truly yours,

(Orig. Sgd.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington w/copy of application  
Commissioner of Public Lands, Santa Fe  
Oil Conservation Commission, Santa Fe

OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

Case 227

November 13, 1952

C  
O  
P  
Y

Continental Oil Company  
1710 Fair Building  
Fort Worth 2, Texas

Attention: Mr. H. L. Johnston - Reg. Mgr. of Prod. - SW Region

Re: Plan of Development  
Diamond Mount Unit Area  
Chaves and Eddy Counties,  
New Mexico - I Section No. 757

Gentlemen:

Per your request of November 3, 1952, the New Mexico Oil Conservation Commission has this date approved a six month extension for the filing of a Plan of Development for the abovementioned unit area from November 12, 1952 to May 12, 1953.

Very truly yours,

R. R. Spurrier  
Secretary - Director

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

C  
O  
P  
Y

November 10, 1952

15  
CM 727

Mr. H. L. Johnston  
Regional Manager of Production  
Southwestern Region  
Continental Oil Company  
Fair Building  
Fort Worth 2, Texas

Re: Plan of Development  
Diamond Mound Unit Area  
Chaves and Eddy Counties

Dear Sir:

We have your letter dated November 3, 1952 requesting an extension for filing a plan of development of the Diamond Mound Unit Agreement for a six month period from and after November 12, 1952.

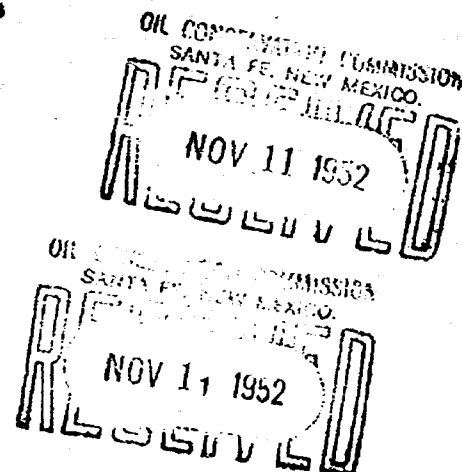
The plan of development is hereby approved until May 12, 1953, subject to like approval first being had and obtained from the United States Geological Survey.

Yours very truly,

GUY SHEPARD, Commissioner of  
Public Lands

cc: U. S. Geological Survey (3)  
Roswell, New Mexico  
Oil Conservation Commission (1) ✓  
Santa Fe, New Mexico

ot



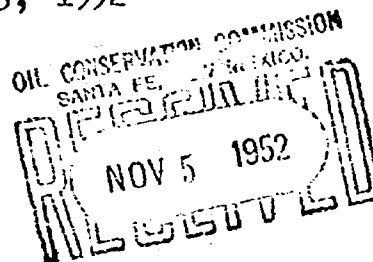
# CONTINENTAL OIL COMPANY

1710  
FAIR BUILDING

FORT WORTH 2, TEXAS

November 3, 1952

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION



Mr. John A. Anderson  
Oil and Gas Supervisor  
Southwestern Region  
United States Geological Survey  
P. O. Box 997  
Roswell, New Mexico

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

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

Re: Plan of Development  
Diamond Mound Unit Area  
Chaves and Eddy Counties  
I Section No. 757

Gentlemen:

Section 9 of the Unit Agreement for the Development and Operation of the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, requires the Unit Operator to submit for the approval of the Supervisor, the Commissioner, and the Commission, an acceptable plan of development and operation for the unitized land which, when properly approved, shall constitute the further drilling and operating obligations of the Unit Operator under this agreement for the period specified therein. The Unit Agreement also states that the plan of development shall be filed

Joint letter  
Page 2

within six months after completion of a well capable of producing unitized substances in paying quantities, but the Supervisor and Commissioner are authorized to grant a reasonable extension of the six month period where such action is justified because of unusual conditions or circumstances.

Continental Oil Company, as Unit Operator, completed the Gertrude W. Duffield well No. 1 on May 13, 1952, within the unit area at a location 1980 feet from the South and West lines of Section 21-16-27, Eddy County, New Mexico. This well was completed in a consolidated Pennsylvanian sand zone through perforations between 8616 feet and 8715 feet for an initial potential of 3,800 MCF dry gas per day. The Acting Director of the United States Geological Survey, on June 24, 1952, rendered an opinion that this well is a valuable discovery of unitized substances within the intent and purpose of the Unit Agreement.

The discovery well had an initial static surface pressure of 2412 psig. This pressure prevailed on June 16, 1952, when a pipe line connection was obtained and production commenced. It has declined since that date to a value of 2,252 psig on October 2, 1952. During this same interval, 96,213 MCF of gas and 883 barrels of distillate have been produced.

The rapid pressure decline in the Duffield No. 1 indicates that the reservoir may be a small one, but insufficient production history has accumulated as yet to calculate the size



Joint letter  
Page 3

with reasonable accuracy. For this reason, Continental does not plan to schedule further development in the vicinity of the discovery well until more pressure and production data are available.

The discovery well has added considerably to the knowledge of the geology of the unit area and Continental is now conducting additional evaluation studies of the results of the exploratory work and drilling to date on the block. At the conclusion of these studies, if further exploratory work is desirable, Continental will promote the drilling of such additional wells as are necessary to explore the unit area.

Because insufficient production data have accumulated to evaluate the producing reservoir, and because studies of the exploratory possibilities are not yet completed, Continental Oil Company, as Unit Operator, respectfully requests the Supervisor, the Commissioner, and the Commission, to exercise the authority granted by Section 9 of the Unit Agreement and to extend the present deadline for filing a plan of development, which is November 12, 1952, for a six-month period, so that the plan of development shall not be due until May 12, 1953.

Yours very truly,



HLJ-MC  
Carbon copies to:  
Mr. John A. Anderson (2)  
Commissioner of Public Lands (1)  
Oil Conservation Commission (1)

OIL CONSERVATION COMMISSION  
WASHINGTON, D. C.

DEC 10 1951

December 10, 1951

Mr. H. A. Thrach, in Charge  
Continental Oil Company  
Petroleum Division  
Pomona, New Mexico

Re: Mineral Lease Unit Agreement

227

Dear Sir:

We have your application dated November 7, 1951 and your letter of December 5, 1951 requesting that your company be granted a six months' extension within which to commence a second well in the above captioned unit agreement in Nifty County.

The undersigned hereby consents to the extension of time of six months from and after December 23, 1951, within which to commence an additional test well in the Mineral Lease Unit Agreement; provided, however, similar authorization for extension is granted by the Director of the U. S. Geological Survey.

Very truly yours,

Guy Shepard,  
Commissioner of Public Lands.

cc: Oil Conservation Commission  
Rm. 10, New Mexico  
U.S. Geological Survey  
Pomona, New Mexico

July 20, 1950

Oil Conservation Commission  
205 Booker Building  
Artesia, New Mexico

Gentlemen:

We enclose herewith, signed copy of Case No. 227, Order No. R-25, issued by the Commission in connection with the hearing held in Santa Fe, New Mexico, on July 18, 1950.

Very truly yours,

R. R. Spurrier  
Secretary-Director

RRS:bw  
encl.

July 20, 1950

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

Gentlemen:

We enclose herewith, signed copy of Case No. 227, Order No. R-25, issued  
by the Commission in connection with the hearing held in Santa Fe, New  
Mexico, on July 18, 1950.

Very truly yours,

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 CONTINENTAL OIL COMPANY,  
A CORPORATION, FOR AN ORDER  
APPROVING THE PROPOSED DIAMOND  
MOUND UNIT AGREEMENT EMBRACING  
28,592.85 ACRES OF FEDERAL, STATE  
AND PRIVATELY OWNED LANDS SITUATED  
IN CHAVES AND EDDY COUNTIES, NEW  
MEXICO, WITHIN TOWNSHIPS 15 and  
16 SOUTH, RANGES 26 AND 27 EAST,  
N.M.P.M.

CASE NO. 227

ORDER NO. R-25

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10:00 o'clock, A.M., on the 18th day of July 1950, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission", upon the application of the Continental Oil Company for approval of the Diamond Mound Unit Agreement embracing lands situated in Chaves and Eddy Counties, 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 prevention of waste;

IT IS THEREFORE ORDERED BY THE COMMISSION AS FOLLOWS:

SECTION 1. That this order shall be known as the

DIAMOND MOUND UNIT AGREEMENT ORDER

SECTION 2. (a) That the project herein referred to shall be known as the Diamond Mound Unit Agreement, and shall hereafter be referred to as the "Project".

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

SECTION 3. That the Diamond Mound 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 Diamond Mound 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

T. 15 S., R. 26 E.

Sec. 24, SE $\frac{1}{4}$   
Sec. 25, all  
Sec. 26, SE $\frac{1}{4}$   
Sec. 35, E $\frac{1}{2}$   
Sec. 36, all

T. 15 S., R. 27 E.,

Sec. 19, S $\frac{1}{2}$ N $\frac{1}{2}$ , S $\frac{1}{2}$   
Sec. 20, S $\frac{1}{2}$   
Secs. 29, 30, and 31, all  
Sec. 32, all  
Sec. 33, W $\frac{1}{2}$ W $\frac{1}{2}$

T. 16 S., R. 27 E.,

Secs. 1 to 34 inclusive  
Sec. 35, NW $\frac{1}{4}$ NW $\frac{1}{4}$

Total unit area 28,592.85 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 Diamond Mound 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 on the first day of the calendar month next following the approval of the Commissioner of Public Lands of the State of New Mexico and the Director of the United States Geological Survey, and shall terminate ipso facto on the termination of said unit agreement. The last unit operator shall immediately notify the Commission in writing of such termination.

1950.

DONE at Santa Fe, New Mexico, on the 20th day of July,

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Thomas J. Mabry*

Thomas J. Mabry, Chairman

*Guy Shepard*

Guy Shepard, Member

*R. R. Spurrier*

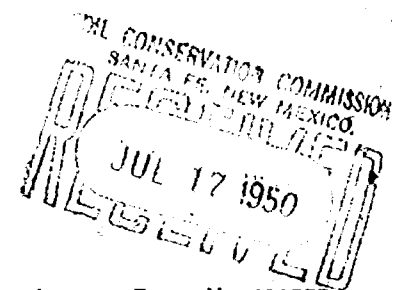
R. R. Spurrier, Secretary

# Roswell Daily Record

2287 - PHONES - 2288

ROSWELL, NEW MEXICO

MEMBER:  
ASSOCIATED PRESS  
AUDIT BUREAU OF CIRCULATION  
MERCHANTS CREDIT ASSOCIATION



LEADING DAILY NEWSPAPER  
OF THE PECOS VALLEY  
BRINGING TODAY'S NEWS TODAY

13 July 1950

Mr. R. R. Spurrier  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Spurrier:

Inclosed find Affidavits of Publication on Case 227, 230, 231 and 232. These were published in the Roswell Daily Record instead of the Roswell Morning Dispatch as requested by you because publication of the Roswell Morning Dispatch was suspended as of 1 April 1950.

I regret that these did not appear before 6 July as you requested, however I was out of town for several days and this lay on my desk awaiting my return instead of being published as requested. I hope the delay in publication will not seriously inconvenience you.

Sincerely,

RECORD PUBLISHING CO., INC.

By: *Lynn W. Prissant*



June 29, 1950

Mr. E. E. Gresson  
Box 1302  
Albuquerque, New Mexico

Dear Mr. Gresson:

We are having a hearing on July 18, as per Notice of Publication attached.

We would appreciate it if you could come and take the record, or send a substitute.

Very truly yours,

R. R. Spurrier  
Secretary-Director

RRS:lw  
encl.

June 29, 1950

REGISTERED MAIL

ROSEMILL DISPATCH  
Roswell, New Mexico

Re: Notice of Publication  
Case 227, 230, 231 and 232

Gentlemen:

Please publish the enclosed notice once, immediately. Please proof read the notice carefully and send a copy of the paper carrying such notice to this office.

UPON COMPLETION OF THE PUBLICATION SEND PUBLISHER'S AFFIDAVIT IN DUPLICATE.

For payment, please submit statement in duplicate, and sign and return the enclosed voucher.

PLEASE PUBLISH NOT LATER THAN JULY 5, 1950.

Very truly yours,

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

R. R. Spurrier  
Secretary-Director

RRS:bw  
encl.

June 29, 1950

SANTA FE NEW MEXICAN

Santa Fe, New Mexico

Re: Notices of Publication  
Cases 227 through 232

Gentlemen:

Please publish the enclosed notices once, immediately. Please proof read the notices carefully and send a copy of the paper carrying such notices to this office.

UPON COMPLETION OF THE PUBLICATION SEND PUBLISHER'S AFFIDAVIT IN DUPLICATE.

For payment, please submit statement in duplicate, and sign and return the enclosed voucher.

PLEASE RETURN NOT LATER THAN JULY 5, 1950.

Very truly yours,

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

R. R. Spurrier  
Secretary-Director

RRS:bw  
encls.

*Cases  
227 through 232*

June 29, 1930

**REGISTERED MAIL**

Mr. Glenn Staley  
Lee County Operators Committee  
Dresser Eye  
Hobbs, New Mexico

Dear Mr. Staley:

We enclose herewith, two Notices of Publication - one covering a hearing to be held on July 18th and the other to be held on July 25.

Very truly yours,

R. R. Spurrier  
Secretary-Director

RRS:bw  
encls.

NOTICE FOR 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 July 18, 1950, beginning at 10:00 o'clock A. M. on that day in the City of Santa Fe, New Mexico, in the Capitol (Hall of Representatives).

STATE OF NEW MEXICO TO:

All named parties in the following  
case and notice to the public:

Case 227

In the matter of the application of Continental Oil Company, a corporation, for an order approving the proposed Diamond Mound Unit Agreement, embracing 27,272.85 acres of Federal, State and privately owned lands, situated in Chaves and Eddy Counties, New Mexico and more particularly described as follows:

Twp. 15S, R. 26E, - SE/4, Sec. 24  
All Sec. 25  
SE/4 Sec. 26  
E/2 Sec. 35  
All, Sec. 36  
Twp. 15S, R. 27E, - S/2 N/2 S/2 Sec. 19  
S/2 Sec. 20  
All, Secs. 29, 30, 31, 32  
W/2 W/2 Sec. 33  
Twp. 16S, R. 27E, - All Secs. 1 to 34 inclusive  
NW/4 NW/4, Sec. 35.

Given under the seal of the Oil Conservation Commission of New Mexico,  
at Santa Fe, New Mexico, on June 29, 1950.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
R. R. SPURRIER, SECRETARY

June 29, 1950

REGISTERED MAIL

CARLSBAD CURRENT-ARGUS  
Carlsbad, New Mexico

Re: Notice of Publication  
Cases 227, 230, 231 and 232

Gentlemen:

Please publish the enclosed notice once, immediately. Please proof read the notice carefully and send a copy of the paper carrying such notice to this office.

UPON COMPLETION OF THE PUBLICATION SEND PUBLISHER'S AFFIDAVIT IN DUPLICATE.

For payment, please submit statement in duplicate, and sign and return the enclosed voucher.

PLEASE PUBLISH NOT LATER THAN JULY 5, 1950.

Very truly yours,

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

R. R. Spurrier  
Secretary-Director

RRS:bw  
encl.

**AFFIDAVIT OF PUBLICATION**

County of Chaves }  
State of New Mexico, }

I, Lynn W. Croissant  
Bookkeeper

Of the Roswell Daily Record, a daily newspaper published at Roswell, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a sup-

plement thereof for a period of.....

One weeks

beginning with the issue dated .....

6 July, 1950

and ending with the issue dated.....

6 July, 1950

*Lynn W. Croissant*  
Bookkeeper

Sworn and subscribed to before me

this 17th day of.....

July, 1950  
*Annie Lee Wise*  
Notary Public.

My commission expires Feb.

9, 1952  
(Seal)

**RUN 6 JULY  
NOTICE FOR 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 July 18, 1950, beginning at 10:00 o'clock A. M. on that day in the City of Santa Fe, New Mexico, in the Capitol (Hall of Representatives).  
**STATE OF NEW MEXICO TO:**  
All named parties in the following case and notice to the public:

**Case 227**

In the matter of the application of Continental Oil Company, a corporation, for an order approving the proposed Diamond Mound Unit Agreement, embracing 27,272.85 acres of Federal, State and privately owned lands, situated in Chaves and Eddy Counties, New Mexico and more particularly described as follows:

Twp. 15S, R. 26E—SE¼, Sec. 24,  
All, Sec. 25  
SE¼, Sec. 26  
E¼, Sec. 35  
All, Sec. 36  
Twp. 15S, R. 27E, S½ N½ S½  
Sec. 19  
S½ Sec. 20  
All, Secs. 29,  
30, 31, 32  
W½ W½, Sec.  
33  
Twp. 16S, R. 27E—All Secs. 1 to  
34 inclusive  
NW¼, NW¼,  
Sec. 35.

Given under the seal of the Oil Conservation Commission of New Mexico, at Santa Fe, New Mexico on June 29, 1950.

State of New Mexico  
Oil Conservation Commission.  
(Seal) R. R. Spurrier,  
Secretary.

NOTICE FOR 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 July 18, 1950, beginning at 10:00 o'clock A.M. on that day in the City of Santa Fe, New Mexico, in the Capitol (Hall of Representatives):  
STATE OF NEW MEXICO TO:  
All named parties in the following case and notice to the public:  
Case 227  
In the matter of the application of Continental Oil Company, a corporation, for an order approving the proposed Diamond Mound Unit Agreement, embracing 27, 272.86 acres of Federal State and privately owned lands, situated in Chaves and Eddy Counties, New Mexico and more particularly described as follows:  
Twp 15S, R. 26E, SE/4, Sec. 24  
All, Sec. 25  
SE/4, Sec. 26  
E/2, Sec. 35  
All, Sec. 36  
Twp 18S, R. 27E, S/2 N/2 S/2 Sec. 19  
S/2, Sec. 20  
All, Secs. 20, 30, 31, 32  
W/2 W/2, Sec. 33  
Twp 18S, R. 27E, All, Secs. 1 to 34 inclusive  
NW/4 NW/4, Sec. 35  
Given under the seal of the Oil Conservation Commission of New Mexico, at Santa Fe, New Mexico, on June 29, 1950.  
STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION  
SEAL R. R. SPURRIER  
Secretary  
Pub: July 3, 1950.

## 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 (~~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 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 ~~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 1 time ~~consecutive weeks~~ the first publication being on the 3rd day of July, 1950, and the last publication on the 5th day of July, 1950; 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.

Will Harrison  
Editor-Manager

Subscribed and sworn to before me this 5th day of July, A.D., 1950

Anna K. Ormsbee  
Notary Public

My Commission expires

June 14, 1953

### PUBLISHER'S BILL

45 lines, one time at \$ 4.50  
lines, times, \$  
Tax \$  
Total . . . . \$ 4.50

Received payment,

By \_\_\_\_\_



18  
near 25 July



## CONTINENTAL OIL COMPANY

Fort Worth 2, Texas  
June 22, 1950

Via Air Mail

Mr. Dick Spurrier, Secretary  
New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Dear Mr. Spurrier:

We enclose application in triplicate for approval of Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, as requested by Mr. Clarence E. Hinkle, attorney at Roswell.

Mr. Hinkle has informed us that he will furnish you three copies of the unit agreement.

Representatives of Continental Oil Company will be available for a hearing on any date which meets with your convenience and it is presumed that either you or Mr. Hinkle will advise us thereof when a date is set so that reservations may be arranged.

Yours very truly,

*T. M. Cady*

T. M. Cady  
Area Land Superintendent  
Fort Worth Area

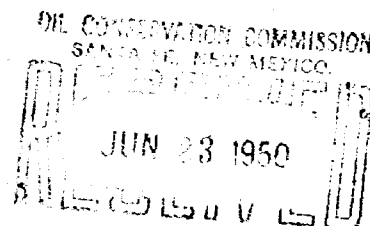
TJM-MM  
Enc. 3  
Carbon copy to:  
Mr. Clarence E. Hinkle - Roswell, N.M.

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

WILLIAM C. SCHAUER

LAW OFFICES  
HERVEY, DOW & HINKLE  
ROSWELL, NEW MEXICO

June 20, 1950



*Sit to hear  
25 July*

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

Gentlemen:

Please find enclosed three copies of the  
Unit Agreement for the Development and Operation of  
the Diamond Mound Unit Area.

The Continental Oil Company is sending you  
direct an Application for Approval of the above-mentioned  
Unit Agreement.

Yours very truly,

HERVEY, DOW & HINKLE

By Clarence E. Hinkle  
*Lydc*

CEH:dc  
Encls.

cc Continental Oil Company  
Ft. Worth, Texas

BEFORE THE  
OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

The following hearing came on pursuant to legal notice  
in Santa Fe on July 18, 1950, beginning at 10:00 o'clock  
A. M., in the House of Representatives, Capitol Building.

NOTICE FOR 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 July 18, 1950, beginning at 10:00  
o'clock A. M. on that day in the City of Santa Fe, New Mexico,  
in the Capitol (Hall of Representatives).

STATE OF NEW MEXICO TO:

All named parties in the following  
case and notice to the public:

Case 227

In the matter of the application of Continental Oil Company,  
a corporation, for an order approving the proposed Diamond Mound  
Unit Agreement, embracing 27,272.85 acres of federal, state and  
privately-owned lands, situated in Chaves and Eddy Counties,  
New Mexico and more particularly described as follows:

Twp. 15S, R. 26E, - SE/4, Sec. 24  
All, Sec. 25  
SE/4, Sec. 26  
E/2, Sec. 35  
All, Sec. 36  
Twp. 15S, R. 27E, - S/2 N/2 S/2, Sec. 19  
S/2, Sec. 20  
All, Secs. 29, 30, 31, 32  
W/2 W/2, Sec. 33  
TWP. 16S, R. 27E, - All, Secs. 1 to 34 inclusive  
NW/4 NW/4, Sec. 35

Given under the seal of the Oil Conservation Commission of New  
Mexico, at Santa Fe, New Mexico, on June 29, 1950.

SEAL

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION  
/s/ R.R. Spurrier  
R. R. SPURRIER, SECRETARY

BEFORE: Hon. R. R. Spurrier, Secretary.

R E G I S T E R

F. J. Mathers, Ft. Worth, Texas,	Continental Oil Co.
F. W. Cady,	do.
W. Baxter Boyd	do.
Clarence Hinkle, Roswell, N. M.	do.
George Graham, Santa Fe, N. M.,	Oil Conservation Commission.
Frank C. Barnes,	do.
Elvis A. Utz	do.

MR. SPURRIER: Let the record show that the meeting is adjourned to my office.

(Recess)

MR. SPURRIER: Gentlemen, we will have to sit for the purpose of taking the record only this morning since Mr. Shepard or the Governor are not here. Mr. Hinkle--oh, he isn't here.

(Recess)

MR. SPURRIER: If you are ready, we will proceed.

MR. HINKLE: Have you got the style of the case there?

MR. SPURRIER: Yes.

MR. HINKLE: For the purpose of the record, my name is Clarence Hinkle of Hervey, Dow and Hinkle of Roswell, attorneys for Continental Oil Co. This is before the Commission on an application of the Continental Oil Co. for the approval of the Diamond Mound unit area. The proposed unit area, which is situated in Chaves and Eddy counties in Townships 15 and 16 S., Ranges 26 and 27 E. comprises approximately 28,592 acres; of which 22,094.81 acres are federal lands, 4,073.72 acres are state lands, and 2,424.32 acres are fee or privately-owned lands.

The proposed unit area, as described in the application, has heretofore been designated by the U. S.G.S. as an area suitable and proper for unitization. There was filed with the application as Exhibit A a report prepared by W. Baxter Boyd, geologist for the Continental Oil Company, which is a copy of the same report which was filed with the U.S.G.S. and which was used as the basis for the designation of this area. We have also filed with the application copies of the proposed unit agreement, which designates the Continental Oil Company as the unit operator and gives and grants to the Continental all the powers necessary to operate the unit area. The unit agreement also provides for the commencement of a test well within six months from the effective date of the unit, and for the drilling of the well to a depth of 10,000 feet unless at a lesser depth oil and gas is discovered which can be produced in paying quantities, or the unit operator shall establish to the satisfaction of the supervisor of the U.S.G.S. as to federal lands and the Commission as to state and privately-owned lands that the further drilling deeper of the well would not be warranted.

We have here with us Mr. W. Baxter Boyd, geologist for the Continental Oil Company, whom I would like to have sworn and his testimony given in support of the application.

W. BAXTER BOYD, having been first duly sworn, testified as follows:

DIRECT EXAMINATION BY MR. HINKLE:

Q. Your name is W. Baxter Boyd?

A. Yes.

Q. Where do you live, Mr. Boyd?

A. Fort Worth, Texas.

Q. By whom are you employed?

A. Continental Oil Company.

Q. In what capacity?

A. Area geologist for the Fort Worth Area.

Q. Are you a graduate geologist?

A. Yes.

Q. Of what school?

A. University of Oklahoma.

Q. Of what year?

A. 1928.

Q. Have you practiced your profession since graduation?

A. I have.

Q. By whom have you been employed since graduation?

A. In 1928 to 1933 I was employed by William H. Atkinson, an independent oil operator in Oklahoma City. And--that was '28 to '31--and from '31 to '33 I was an independent consulting geologist working for various independents operating in the Oklahoma City field. I went to work for the Continental Oil Company in 1933 and I have been employed by them since that date.

Q. What areas are you in charge of for the Continental Oil Company?

A. Southeastern New Mexico, west Texas, Texas Panhandle, west-central Texas, and north-central Texas.

Q. Are you familiar with the southeastern part of New Mexico, geologically speaking, and have you made a study of the area?

A. Yes, sir.

Q. Are you familiar with the area covered by this proposed unit agreement?

A. Yes, sir.

MR. HINKLE: There is attached to the application which we have filed a reported dated March 2, 1948, as Exhibit A. I will ask you whether or not you prepared that report?

A. I did.

Q. Is that the same report that was filed with your application to the U.S.G.S. for the designation of this area?

A. It is.

Q. That report is before the Commission. Of course, if you want to refer to it you can. Upon what information was this geological report based?

A. Principally sub-surface control as revealed by core drilling to a marker known as the Artesia sand.

Q. How many core tests were drilled?

A. The core tests on the terrace which we mapped in the area comprised 30 core holes, and there were other core holes around the area, but the ones which control the structure are 30 in number.

Q. Are you familiar with the form of the unit agreement which has been filed with the application?

A. I am.

Q. Does the proposed unit area in your opinion cover substantially all the geological features involved?

A. It does.

Q. State whether or not in your opinion this unit agreement will promote the economical and efficient recovery of oil and gas to the end that the maximum yield may be obtained in the event a discovery is made?

A. In my opinion it will.

Q. State whether or not in your opinion this agreement would be in the interests of conservation of oil and gas and the prevention of waste?

A. I believe it will.

MR. HINKLE: I believe that is all, unless you have some questions?

MR. SPURRIER: Do you have any questions, Mr. Graham?

BY MR. GRAHAM:

Q. This proposed unit is made up of state, federal and privately-owned lands. How many of the lessees or owners are signed up, what percentage, at this time?

A. I am not up-to-date on the details of the land situation in that unit. I expect we have some other representative here to answer that question.

MR. HINKLE: Mr. Mathers is here. We can put him on if you desire? Do you want him to be sworn or just have him make a statement?

MR. SPURRIER: He can just make a statement. It won't be necessary to swear him.

MR. MATHERS: Continental has over 24,000 acres under lease, of which 2,400 I believe are state lands and possible fifteen fee, and the balance federal. I might look in the exhibit there and I can tell you.

Q. Yes. Clarence, can you advise us as to whether there is any opposition among the land owners?

MR. HINKLE: They are in the process of getting them signed up. The restrictions of the Department of the Interior require before it is submitted for final approval we make a showing we have given every lease owner and every mineral owner in the area an opportunity to join in the unit. They have run into a few instances where they have refused to join. It is hoped before it is over with they will be able to make some kind of deal with them. I don't think it will amount to any considerable proportion of the acreage. In fact, they hope to have as much as 87-90 per cent of the acreage committed by the time it is submitted for final approval, and the chances are that most



of the acreage that is out will be on the edge of the unit.

Q. The agreement itself holds out an opportunity for those outstanding interests?

MR. HINKLE: That's right.

MR. GRAHAM: Or a counterpart of it at any time they want to come in in the future?

MR. HINKLE: That's right.

MR. SPURRIER: Would you care to designate a location for the initial well?

MR. BOYD: Yes. We propose to drill, if every one is willing, the first well will be in the northeast corner of Sec. 11 on that closure on the terrace.

MR. SPURRIER: Yes.

MR. BOYD: The reason being that other structures in the area seem to have an accumulation in the permian on the east flank of such terrace, and we thought it would possibly give us the best initial well to get production in the shallow horizons.

MR. HINKLE: I might ask him one other additional question.

Q. Mr. Boyd, state whether or not in your opinion the drilling of this well to 10,000 feet as proposed would test all the probable producing horizons in that area?

A. It will. The regional contour on top of the Ellenburger, which is the deepest possible producing horizon in the area, predicates the top of the Ellenburger should be encountered at 9,600 feet. So we feel the 10,000 foot depth amply takes care of a good penetration of the section.

MR. SPURRIER: Does anyone have any further questions or statements to make? If not, the witness may be excused, and the meeting will stand adjourned.

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) ss

I HEREBY CERTIFY That the attached transcript of a hearing before the Oil Conservation Commission of the State of New Mexico on July 18, 1950, is true and correct to the best of my knowledge, skill, and ability.

DONE at Albuquerque, New Mexico, July 25, 1950.

E. Z. Greason  
Notary Public

My Commission Expires : 8-4-52

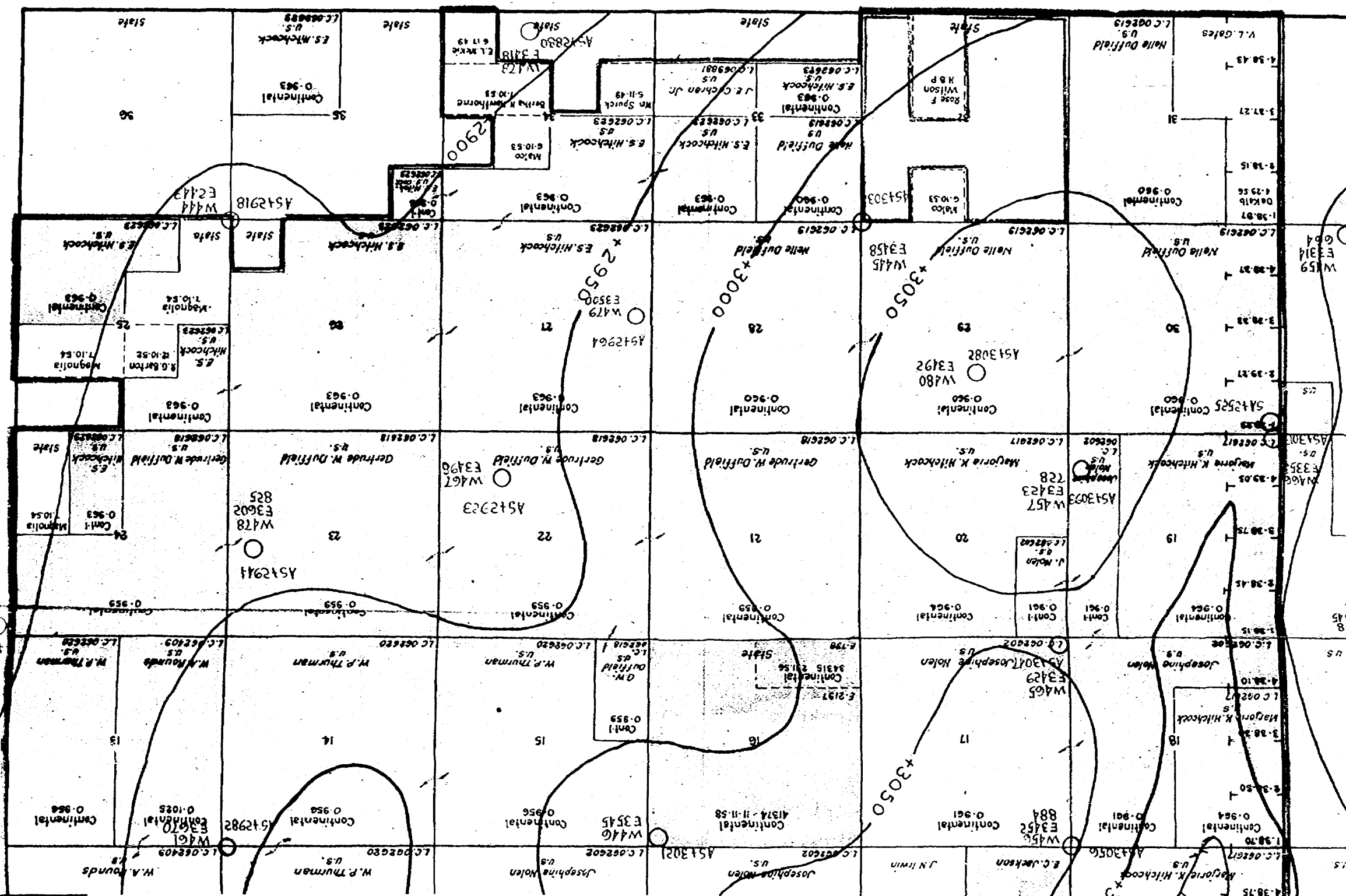
# DIAMOND MOUND UNIT AREA CHAVES AND EDDY COS, NEW MEXICO

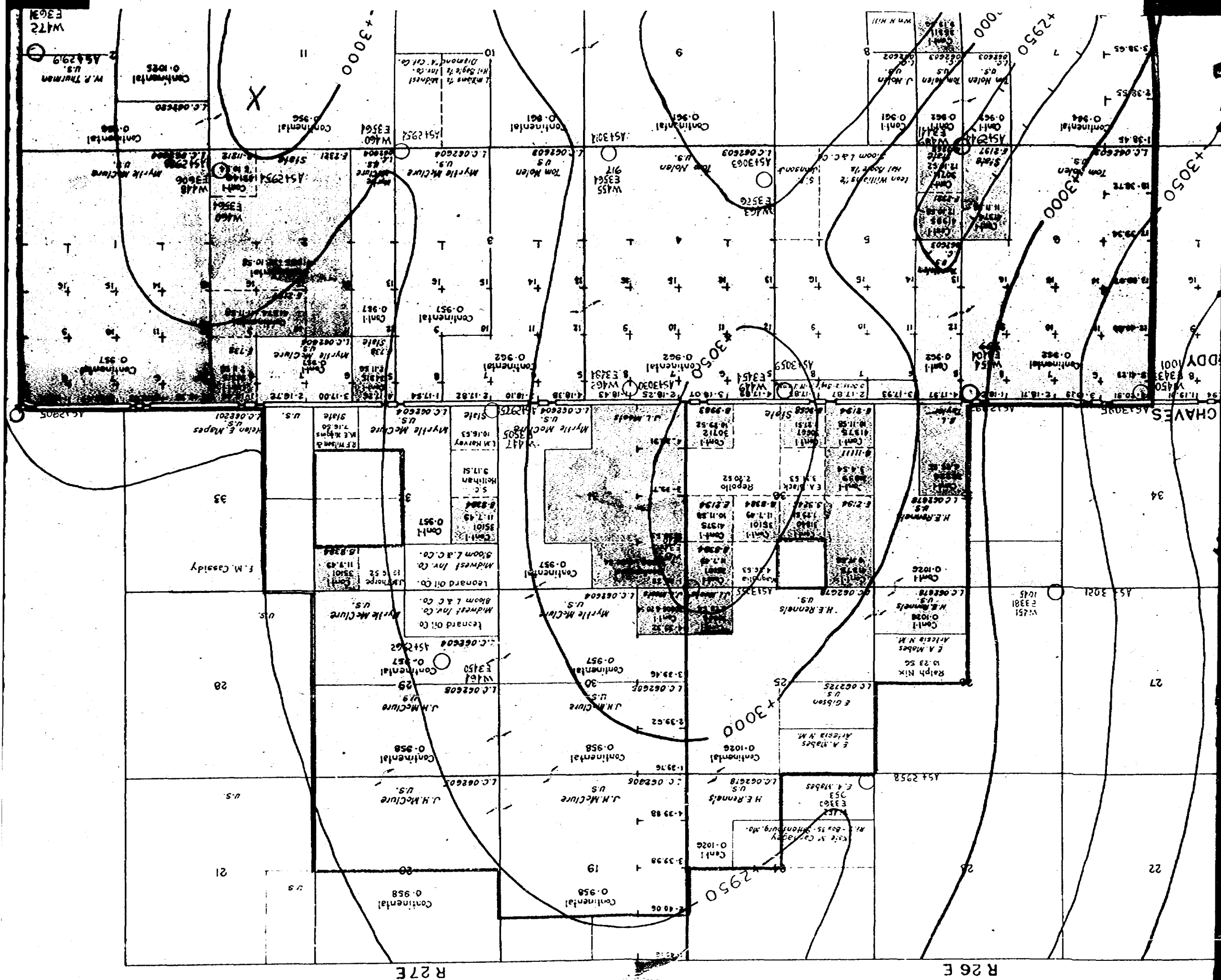
Scale 2" = 1 Mile

Curve # 227

○ W446 = Core Hole & No  
E3545 = E10V2107  
AS43021 = Top of E352 Sand  
Contoured on Top of E352 Sand  
Contour Interval: 50'

R 27 E





R 26 E

R 27 E

Case  
227

# El Paso Natural Gas Company

El Paso, Texas

February 17, 1956

file

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

Re: Request for the Termination of the  
(Diamond Mound Unit Agreement, Depart-  
mental Contract No. I-Sec. No. 757,  
Approved October 24, 1950, Chaves and  
Eddy Counties, New Mexico

Gentlemen:

El Paso Natural Gas Company held an interest in various oil and gas leases committed to the Diamond Mound Unit Agreement, Chaves and Eddy Counties, New Mexico. In view of the disappointing results encountered in the drilling of three unit wells, El Paso Natural Gas Company either surrendered or reassigned to Continental Oil Company all of its interest in various oil and gas leases committed to the Diamond Mound Unit Agreement. Therefore, El Paso Natural Gas Company has no objections to the termination of the Diamond Mound Unit Agreement.

Respectfully submitted,

EL PASO NATURAL GAS COMPANY

By

  
H. F. Steen  
Vice President

HFS:JJB:alf

cc: Continental Oil Company  
1710 Fair Building  
Fort Worth 2, Texas

Attn: Mr. T. J. Mathers

221  
MAIN OFFICE OCC

1956 MAY 17

## CONTINENTAL OIL COMPANY

1710 Fair Building  
Fort Worth 2, Texas  
May 14, 1956

Mr. John A. Anderson  
Supervisor of Oil and Gas Operations  
U. S. Geological Survey  
Roswell, New Mexico

*file*

Dear Mr. Anderson:

SUBJECT: Termination of  
Diamond Mound Unit Agreement,  
Chaves and Eddy Counties, New  
Mexico

In connection with Departmental Contract No. I-Sec. No. 757, approved October 24, 1950, we enclose in quadruplicate Request for Termination executed by Magnolia Petroleum Company, Sinclair Oil and Gas Company and Continental Oil Company. El Paso Natural Gas Company has filed separate request.

We should like to have two approved copies returned to us for filing with the Director of Oil Conservation Commission and Commissioner of Public Lands for the State of New Mexico.

Yours very truly,

*T. J. Mathers*  
T. J. Mathers  
Regional Title Supervisor  
Southwestern Region

TJM-VA  
Encs

Carbon copies to:  
Mr. E. S. Walker  
Commissioner of Public Lands  
Santa Fe, New Mexico

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

227

MAIN OFFICE OCC

1956 MAY 23 PM 1:14

## CONTINENTAL OIL COMPANY

Box 749  
Roswell, New Mexico  
May 22, 1956

REGISTERED MAIL - RETURN RECEIPT REQUESTED

Mr. E. S. Walker  
Commissioner of Public Lands  
for the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

*fill*

Dear Mr. Walker:

SUBJECT: Termination of Diamond Mound Unit Agreement, Departmental Contract No. I-Sec. No. 757, Approved October 24, 1950, Chaves and Eddy Counties, New Mexico

In connection with Departmental Contract No. I-Sec. No. 757, approved October 24, 1950, we enclose original and three copies of request for termination of the Diamond Mound Unit Agreement, Chaves and Eddy Counties, New Mexico, executed by Magnolia Petroleum Company, Sinclair Oil and Gas Company, and Continental Oil Company. El Paso Natural Gas Company has filed a separate request.

It will be noted this material was first filed with the United States Geological Survey here in Roswell, but this office requested the handling of the material with your office for approval before forwarding it to the Director of the Geological Survey in Washington, D. C.

If this termination meets with your approval, it is kindly requested you so indicate by executing in the space provided on Page 4 of the instruments. We further kindly

Mr. E. S. Walker  
Page 2

request that you retain one of the copies for your file,  
returning the remaining three, including the original and the  
direct copy, to this office for further handling with the USGS  
office. Proper showing of approval of termination of this unit  
by the Director of the USGS will be furnished your office when  
such has been received.

Please inform us should additional material be needed  
in connection with this matter.

Yours very truly,

W. R. Hall  
Land Superintendent  
Roswell Division

WRH-jh  
Encl. 4

cc: Mr. John A. Anderson  
Oil and Gas Supervisor  
United States Geological Survey  
Roswell, New Mexico

Mr. A. L. Porter, Jr.  
Secretary - Director of New Mexico  
Oil Conservation Commission  
Capitol Annex Building  
Santa Fe, New Mexico



MAIN OFFICE 000

1958 MAY 23 PM 3:33

In reply, refer to  
Unit Division

May 23, 1958

Commissioner of Public Lands  
Box 140  
Roosevelt, New Mexico

Termination of  
Diamond Mound Unit  
Agreement

Attention: Mr. W. R. Hall  
Land Superintendent  
Roosevelt Division

Gentlemen:

We are enclosing the original, the index copy,  
and one copy of "Request for Termination of the  
Diamond Mound Unit Agreement," which have been ap-  
proved by the Commissioner of Public Lands as of  
May 23, 1958, and, according to the contract, becomes  
effective as of the first day of the month following  
the date of this approval.

May we assume that this termination is effective  
as of June 1, 1958, or when the termination contract  
is finally approved by the United States Geological  
Survey. Please inform us concerning this matter.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

WRS/m  
enc: 3

cc: WCC-2000 R  
WCC-2000 R

Case  
227

MAIN OFFICE OCC

1956 MAY 24 AM 8:33

In reply refer to:  
Unit Division

May 23, 1956

Continental Oil Co.  
Box 749  
Roswell, New Mexico

Re: (Termination of  
Diamond Mound Unit  
Agreement)

Attention: Mr. W. R. Hall  
Land Superintendent  
Roswell Division

Gentlemen:

We are enclosing the original, the direx copy, and one copy of "Request for Termination of the Diamond Mound Unit Agreement," which have been approved by the Commissioner of Public Lands as of May 23, 1956, and, according to the contract, becomes effective as of the first day of the month following the date of this approval.

May we assume that this termination is effective as of June 1, 1956, or when the termination contract is finally approved by the United States Geological Survey. Please inform us concerning this matter.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

MMR/m

enc: 3

cc: OCC-Santa Fe  
USGS-Roswell

227  
In reply refer to:  
Unit Division

February 24, 1956

Continental Oil Co.  
P. O. Box 431  
Midland, Texas

Attention: Mr. T. J. Mathers

Re: Termination of the  
Diamond Mound  
Unit Agreement

Gentlemen:

Our last communication from you concerning the Diamond Mound Unit Agreement is dated December 15, 1954. We would like for you to inform us as to what action you are taking for the immediate termination of this agreement.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

MMR/m

cc: OCC-Santa Fe  
USGS-Roswell



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

INVESTIGATE TO:

P. O. Box 6721  
Roswell, New Mexico

*file*  
December 20, 1954

Continental Oil Company  
P. O. Box 431  
Midland, Texas

Gentlemen:

The revised plan of development dated December 15, 1954, for the Diamond Mound Unit agreement, New Mexico, I-Sec. No. 757, for the calendar year 1955, has been approved on this date subject to the condition that unless drilling operations to test the Pennsylvanian or lower formations are commenced within the year, the unit operator will take appropriate action to terminate the unit agreement. This conditional approval is subject to like approval by the appropriate State officials.

One approved copy of said plan is returned herewith.

Very truly yours,

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Cons.Div.Wash.,D.C.(w/1 copy of plan of development)  
M.M.O.C.C. Santa Fe (ltr only)

*approved 12/23/54*  
*Subject to like*  
*conditions. AM*

MAIN OFFICE CCC

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

*file  
C-127*

December 23, 1954

C  
O  
P  
Y  
  
Continental Oil Company  
P. O. Box 431  
Midland, Texas

Attention: Mr. R. L. Adams

Re: Diamond Mound Unit Area  
Chaves and Eddy Counties,  
New Mexico

Gentlemen:

This is to advise that the revised Plan of Development dated December 15, 1954, for the Diamond Mound Unit for the calendar year 1955 has this date been approved by the New Mexico Oil Conservation Commission, subject to the condition that unless drilling operations have commenced by December 31, 1955, to test the Pennsylvanian or lower formations, unit operator will take appropriate action to terminate the unit agreement. This conditional approval is subject to like approval by The Oil and Gas Supervisor, United States Geological Survey, and by the Commissioner of Public Lands of the State of New Mexico.

Yours very truly

W. B. MACEY  
Secretary and Director

ga

*copies made and sent to U.S.G.S., Powell  
and Commissioner of Public Lands, Sta. Fe 12/28/54  
dm*

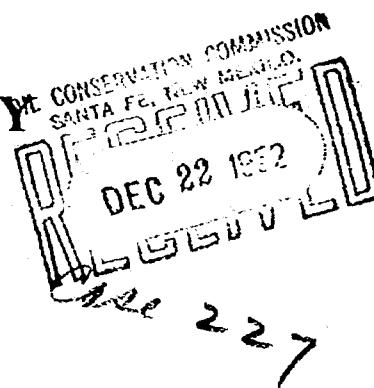


# CONTINENTAL OIL COMPANY

FAIR BUILDING  
FORT WORTH 2, TEXAS

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

December 19, 1952



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

Gentlemen:

Under date of November 7, 1952, we forwarded to you three copies of an Application for Approval of Initial Participating Area for the Pennsylvanian Sand Zone, Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico. We requested an approved copy of this instrument for our file.

After checking our records, we are unable to find a reply from you regarding the above application, and we shall appreciate hearing from you regarding this matter at your earliest convenience.

Yours very truly,

HLJ-LP



## CONTINENTAL OIL COMPANY

FAIR BUILDING  
FORT WORTH 2, TEXAS

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

December 19, 1952

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

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

Gentlemen:

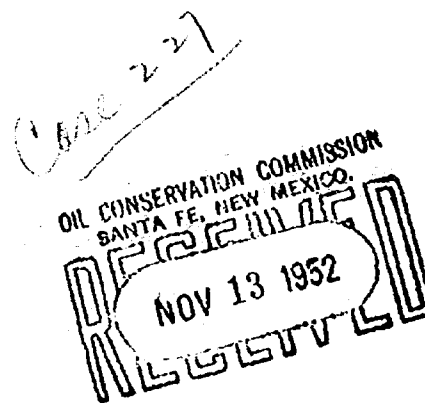
This is to advise that on December 9, 1952, Mr. Thomas B. Nolan, Acting Director of the United States Geological Survey, Washington, D. C., approved our application dated November 1, 1952, covering the establishment of the initial participating area for the Pennsylvanian Sand Zone of the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico. Copies of this application were furnished you with our letters of November 7, 1952.

Yours very truly,

HLJ-LP

C  
O  
P  
Y

November 12, 1952



Subject:

Application for Approval of  
Initial Participating Area  
for the Pennsylvanian Sand Zone,  
Diamond Mound Unit Area,  
Chaves and Eddy Counties, New Mexico

Mr. H. L. Johnston  
Regional Manager of Production  
Southwestern Region  
Continental Oil Company  
Fair Building  
Fort Worth 2, Texas

Dear Sir:

Reference is made to your letter dated November 7,  
1952, and to the application attached thereto requesting  
Approval of Initial Participating Area for the Pennsylvanian  
Sand Zone of the Diamond Mound Unit Agreement.

The application is being approved on this date subject  
to like approval being had and obtained from the United  
States Geological Survey and Oil Conservation Commission.

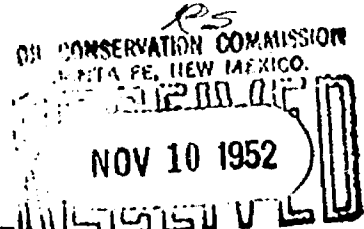
Very truly yours,

CHAS. E. SHAW  
Commissioner of Public Lands

Enclosures  
cc: U. S. Geological Survey (3)  
Oil Conservation Commission (1) ✓

ot





# CONTINENTAL OIL COMPANY

FAIR BUILDING  
FORT WORTH 2, TEXAS

November 7, 1952

H. L. JOHNSTON  
REGIONAL MANAGER OF PRODUCTION  
SOUTHWESTERN REGION

Case 227

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

Gentlemen:

In accordance with the provisions of Section 10 of the Unit Agreement for the Development and Operation of the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, we are transmitting herewith for your consideration three copies of an Application for Approval of Initial Participating Area for the Pennsylvanian Sand Zone. The lands proposed for this initial participating area consist of the following:

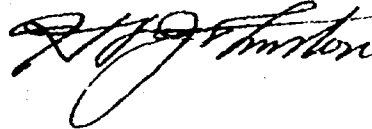
The Southwest Quarter (SW/4), South Half of Northwest Quarter (S/2 NW/4), West Half of Southeast Quarter (W/2 SE/4), and Southwest Quarter of Northeast Quarter (SW/4 NE/4), all in Section 21, Township 16 South, Range 27 East, Eddy County, New Mexico.

We trust that this proposed application meets with your approval, and we shall appreciate your furnishing this office an approved copy of the instrument for our files.

Oil Conservation Commission  
State of New Mexico  
Page 2

Copies of this application are being filed at this time with the Commissioner of Public Lands of the State of New Mexico and the Supervisor of the United States Geological Survey at Roswell, New Mexico.

Yours very truly,



HLJ-LP  
Encs 3

Carbon copies to:  
Oil Conservation Commission (2)

Mr. H. H. Hinson

UNITED STATES DEPARTMENT OF THE INTERIOR

APPLICATION FOR APPROVAL OF  
PARTICIPATING AREA FOR THE  
PENNSYLVANIAN SAND ZONE  
DIAMOND MOUND UNIT AREA  
CHAVES AND EDDY COUNTIES, NEW MEXICO  
I-SEC. NO. 757

TO THE DIRECTOR OF THE  
UNITED STATES GEOLOGICAL SURVEY  
WASHINGTON, D. C.

COMMISSIONER OF PUBLIC LANDS  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

OIL CONSERVATION COMMISSION ✓  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

Pursuant to the provisions of Section X of the Unit Agreement approved by the Acting Director of the United States Geological Survey on October 24, 1950, affecting lands in the Diamond Mound Unit Area, Chaves and Eddy Counties, New Mexico, Continental Oil Company, as Operator of oil and gas leases covering lands within the area hereinafter described, hereby submits for your approval a selection of lands to constitute the initial participating area for the Pennsylvanian Sand Zone, found to be productive of gas at depths between 8,616 and 8,715 feet in the Gertrude W. Duffield No. 1 well, located 1,980 feet from the South and West lines of Section 21, Township 16 South, Range 27 East, Eddy County, New Mexico. The land selected by the applicant to constitute the initial participating area for said producing zone is as follows:

The Southwest Quarter (SW/4), South Half of Northwest Quarter (S/2 NW/4), West Half of Southeast Quarter (W/2 SE/4), and Southwest Quarter of Northeast Quarter (SW/4 NE/4), all in Section 21, Township 16 South, Range 27 East, Eddy County, New Mexico.

In support of this application, the applicant attaches hereto and hereby makes a part of this application the following:

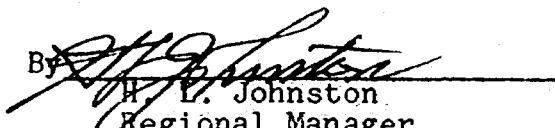
1. A map marked Exhibit "A", showing thereon the Diamond Mound Unit Area and the proposed initial participating area for the Pennsylvanian Sand Zone.
2. A schedule, marked Exhibit "B", showing the participating percentage of each lease included or partially included in the proposed participating area.

Wherefore, the applicant respectfully requests that the Director of the United States Geological Survey, the Commissioner of Public Lands, State of New Mexico, and the Oil Conservation Commission, State of New Mexico, approve this selection of lands to constitute the initial participating area, to be effective as of the date of the first production from said zone, which was June 16, 1952.

Dated this 1st day of November, 1952.

CONTINENTAL OIL COMPANY

By

  
H. L. Johnston  
Regional Manager  
of Production  
Southwestern Region

R 26 E

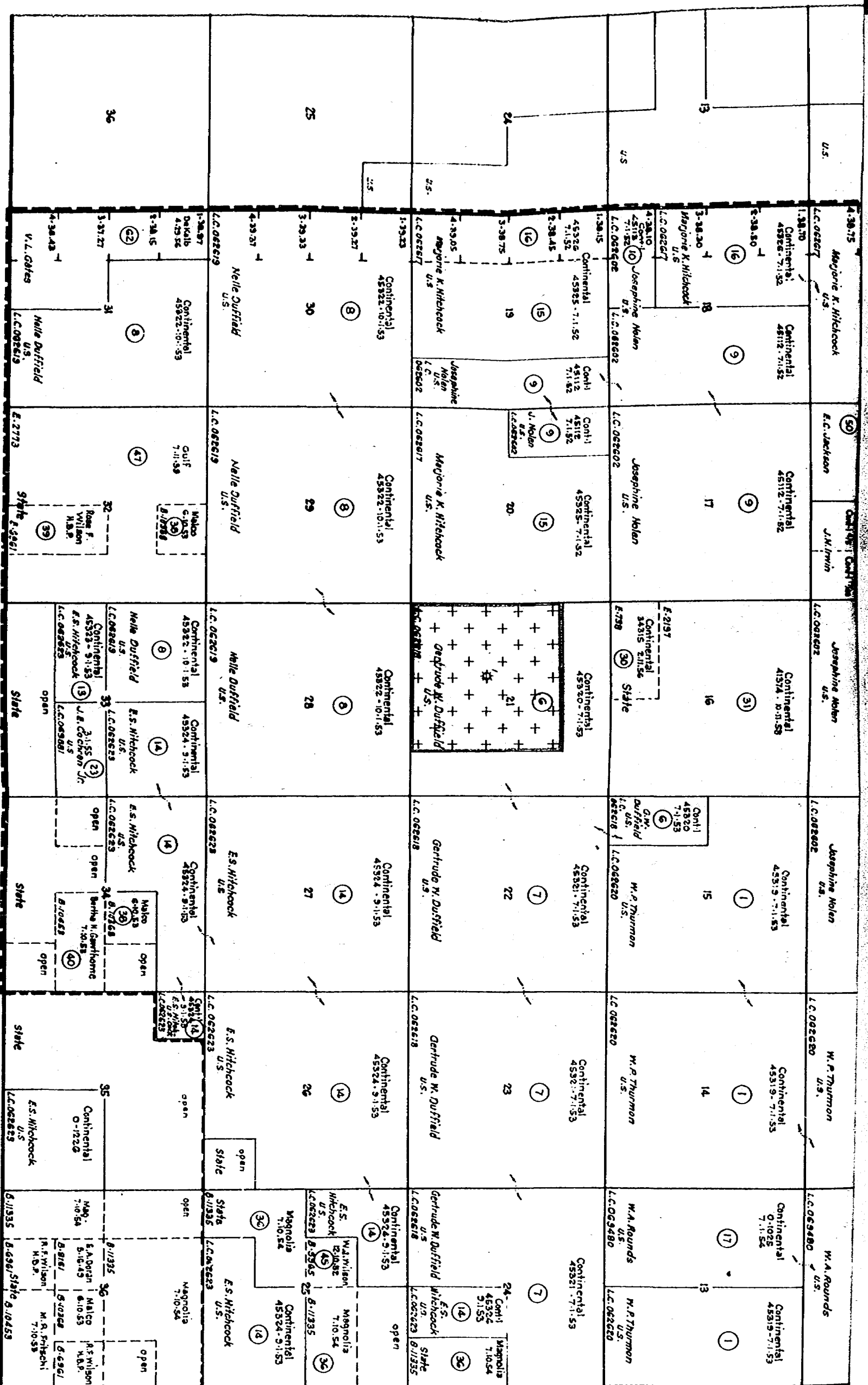
R 27 E

155

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R 26 E

R 27 E

EXHIBIT "A"

LEGEND

UNIT BOUNDARY

PROPOSED INITIAL PARTICIPATING

DIAMOND MOUND UNIT AREA  
CHAVES AND EDDY COS, NEW MEXICO

Scale 2" = 1 Mile

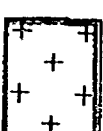


EXHIBIT "B"

INITIAL PARTICIPATING AREA  
DIAMOND MOUNT UNIT AREA  
PENNSYLVANIAN SAND ZONE  
EDDY COUNTY, NEW MEXICO

<u>LAS CRUCES SERIAL NUMBER</u>	<u>NAME</u>	<u>ACREAGE PARTICIPATING AREA</u>	<u>OVERRIDING ROYALTY OWNER</u>	<u>INTEREST</u>
062618	Gertrude W. Duffield	360.00	Gertrude W. Duffield	1% of 360.00/360.00

The operating rights on all of the lands referred to above are held as follows:

Continental Oil Company      100%

100-100000

1940

March 25, 1920, 41 Stat. 437,

100

100





by the Unit Operator, or by the Director, or by the Commissioner, or by other changes, shall be made in accordance with the provisions of this agreement, and at least six copies of the revised map shall be filed with the Oil and Gas Supervisor.

The above-described unit area shall be expanded or contracted, whenever such action is necessary or desirable to conform with the purposes of this agreement, in the following manner:

(a) Unit Operator, on its own motion or on demand of the Director of the U. S. Geological Survey, hereinafter referred to as Director, or on demand of the Commissioner of Public Lands of the State of New Mexico, hereinafter referred to as Commissioner, shall provide 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 Oil and Gas Supervisor, hereinafter referred to as Supervisor, and Commissioner, and copies shall be made of the said notice, and of the proposed expansion or contraction, and of the reasons therefor, and of the proposed effective date thereof, and shall be filed with the Oil and Gas Supervisor.

Any land associated to this agreement shall constitute land referred herein as "associated land" or "land subject to this agreement."

3. All oil, gas, natural gasoline, and associated fluid hydrocarbons in any and all formations of the unitized land are unitized under the terms of this agreement and herein are called "unitized substances."

4. Continental Oil Company, a corporation, with offices at Fort Worth, Texas, 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 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.

The Unit Operator may perform Unit Operator duties only if he or she has been trained by a qualified person and is currently certified as a Unit Operator.



or abandonment as may be required by the Department of Federal lands and the Oil Conservation Committee of the State of New Mexico, hereinafter referred to as the Commission on State lands under applicable Federal and State oil and gas operating regulations. Upon default or failure in the performance of its duties or obligations under this agreement the Unit Operator may be removed by a majority vote of owners of working interests determined in like manner as herein provided for the selection of a successor Unit Operator. Prior to the effective date of relinquishment by or within 6 months after removal of Unit Operator, the duly qualified successor Unit Operator shall have an option to purchase on reasonable terms 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 and used in its capacity as such operator, or if no qualified successor operator has been designated, the working interest owners may purchase such equipment, material, and appurtenances. At any time within the next ensuing 3 months any equipment, material, and appurtenances not purchased and not necessary for the preservation of wells may be stored by the retiring Unit Operator, but if determined shall become the joint property of the owners of working interests in the participating area or, if so determined, may be sold or otherwise disposed of by the retiring Unit Operator. The participating owners shall be notified of the location of such equipment, material, and appurtenances and shall have the right to remove the same at any time. The retiring Unit Operator shall be responsible for the cost of removal of such equipment, material, and appurtenances. The retiring Unit Operator shall be responsible for the cost of removal of such equipment, material, and appurtenances.







...kind of work, and the ...  
...with operating agreements, ...  
...tracts between the Unit Operator and the parties ...  
...either collectively or individually.

The development and operation of land subject to this agreement shall be deemed to be the performance by the Unit Operator of its obligations for the development and operation with respect to each and every part or separately owned tract of land 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 agreement or arrangement between the parties to any of them.

#### PERMANENT DISCOVERY

Within 6 months after the effective date hereof, the Unit Operator shall ...  
...to the Unit Operator ...  
...to the Unit Operator ...

...the first of any subsequent test well shall result in the discovery of a deposit of unitized substances capable of being produced in paying quantities, the Unit Operator shall continue drilling diligently one well at a time, allowing not more than 6 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 said Supervisor if on Federal land or the Commissioner if on State land or patented land, or until it is reasonably proved that the unitized land is incapable of producing unitized substances in paying quantities. Nothing in this section shall be deemed to limit the right of the Unit Operator to resign, as provided in Section 4 hereof, after any well drilled under this section is placed in a satisfactory condition for suspension or is plugged and abandoned pursuant to applicable regulations. The Director, and the Commissioner may modify the drilling requirements of this section by granting reasonable extensions of time when, in their opinion, such action is warranted. In the event of a failure to comply with the drilling provisions of this section, the Director and Commissioner may, after reasonable notice to the Unit Operator, suspend the Unit Operator's right to drill on the unitized land and may, in their discretion, cause the land to be drilled by the State or by a third party. The Unit Operator shall be responsible for the cost of such drilling.



...the Supervisor, the Commissioner, and the Commission, shall constitute the final drilling and operating program of the unit operator under this agreement for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, the unit operator shall submit for the approval of the Supervisor, the Commissioner, and the Commission, a plan for an additional specified period for the development and operation of the unitized land. Any plan submitted pursuant to this section shall provide for exploration of the unitized area and for the determination of the commercially productive area thereof in each and every productive formation and shall be as complete and adequate as the Supervisor, the Commissioner, and the Commission may determine to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area and shall (a) specify the number and locations of any wells to be drilled and the proposed order and time for such drilling; and (b) to the extent practicable specify the operating practices regarded as necessary and advisable for proper conservation of natural resources. Separate plans may be submitted for separate productive zones subject to the approval of the Supervisor, Commissioner, and the Commission. Plans shall be revised or supplemented when necessary to reflect changes in the unitized area or the proposed plan. The unit operator shall be responsible for the cost of all operations required by the plan and shall be responsible for the cost of all operations required by the plan.

shall be subject to the jurisdiction of the Commission, and the Commission shall be entitled to enforce its regulations with a plan of development approved as herein provided.

#### PARTICIPATION AFTER DISCOVERY

10. Upon completion of a well capable of producing unitized substances in paying quantities or as soon thereafter as required by the Supervisor or the Commissioner, the Unit Operator shall submit for approval to the Director, the Commissioner, and the Commission a schedule, based on subdivision of the public land survey or aliquot parts thereof, of all unitized land then regarded as reasonably proved to be productive of unitized substances in paying quantities; all land in said schedule on approval of the Director, the Commissioner and the Commission to constitute a participating area, effective as of the date of first production. Said schedule shall also set forth the percentage of unitized substances to be allocated as herein provided to and within each tract in the participating area so established, and shall contain the allocation of unitized substances to each tract in the participating area so established.

of information... unless  
A more appropriate...  
No land shall be...  
of depletion of the unitized substances.

It is the intent of this section that a participa-  
ting area shall represent the area known or reasonably esti-  
mated to be productive in paying quantities; but, regardless  
of any revision of the participating area, nothing herein  
contained shall be construed as requiring any retroactive  
apportionment of any sums received or paid for production ob-  
tained prior to the effective date of revision of the partici-  
pating area.

In the absence of agreement at any time between  
the Unit Operator, the Director, the Commissioner, and the  
Commission as to the proper definition or redefinition of a  
participating area, or until a participating area has, or  
areas have, been established as provided herein, the portion  
of all payments received shall be allocated in a manner  
not mutually acceptable to the United States and the State of New  
Mexico, which shall be determined by the Commission and the  
Director, and the portion of the payments received shall be  
allocated in a manner not mutually acceptable to the United States  
and the State of New Mexico, which shall be determined by the  
Commission and the Director.





...well, if not drilled by the Unit Operator, and results in production such that the land upon which it is situated may properly be included in a participating area, the party paying the cost of drilling such well shall be reimbursed as provided in the unit operating agreement for the cost of drilling similar wells in the unit area, and the well shall be operated pursuant to the terms of this agreement as though the well had been drilled by the Unit Operator.

If any well drilled by the Unit Operator or by an owner of working interests, as provided in this section, obtains production insufficient to justify inclusion of the land on which said well is situated in a participating area, said owner of working interests at his election, within 30 days after determination of such insufficiency, shall be wholly responsible for and may operate and produce the well at his sole expense and for his sole benefit. If such well was drilled by the Unit Operator and said owner of working interests elects to operate said well, he shall pay the Unit Operator a fair average value for the casing and other necessary equipment left in the well.

The Unit Operator shall be the sole operator and for the sole benefit of all owners of working interests in the unit, and shall have the right to operate the unit in the most efficient manner in his discretion.

to relieve the lessees of Federal land of their obligations under the terms of their respective leases to pay rentals and royalties.

Royalty due the United States shall be computed as provided in the operating regulations and paid in value or delivered in kind as to all unitized substances on the basis of the amounts thereof allocated to unitized Federal land as provided herein at the rates specified in the respective Federal leases, or at such lower rate or rates as may be authorized by law or regulation. PROVIDED, That for leases on which the royalty rate depends on the daily average production per well, said average production shall be determined in accordance with the operating regulations as though each participating area were a single consolidated lease.

Rental or minimum royalty for land of the United States subject to this agreement shall be paid at the rates specified in the respective Federal leases, or such rental or minimum royalty may be waived, suspended, or reduced to the extent authorized by law and applicable regulations.

14. Operations, maintenance and production of unitized substances shall be conducted in accordance with the operating regulations and applicable laws and regulations.



...shall be subject to the same commercial use  
...and other values.

...shall take appropriate and  
adequate measures to prevent drainage of utilized substances  
from utilized land to land not subject to this agree-  
ment, or pursuant to applicable regulations pay a fair and  
reasonable compensatory royalty as determined by the Super-  
visor for Federal land or as approved by the Commissioner  
as to State land.

#### LEASES AND CONTRACTS CONFORMED TO AGREEMENT

16. The parties hereto holding interests in leases  
embracing utilized land of the United States or of the State  
of New Mexico consent that the Director and Commissioner,  
respectively, may, and said Director and Commissioner, by  
their approval of this agreement do hereby establish, alter,  
change or revoke the drilling, producing, rental, minimum  
royalty, 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.

Said parties further consent and agree, and the  
Director and Commissioner by their approval hereto do hereby  
agree, that during the effective term of this agreement  
...shall be subject to the same commercial use  
...and other values.

in the event of a suspension with respect to the national debt.

Each of the parties hereto, individually and jointly, including hereby and assuming to be the owner under an oil and gas lease or other agreement, subject to this agreement hereby agreed that such lease shall be modified, as between each of the parties hereto as are interested therein, effective as of the effective date of this agreement, to the extent necessary that (1) such lease shall remain in full force and effect for the primary term thereof stated, subject only to the payment of any and all delay rentals and the compliance with any other requirements thereon as provided, and for so long thereafter as one or more of the parties hereto shall be required to comply with the provisions of this agreement, and (2) in the event of any such modification, the modification shall be binding on all parties hereto.





...the ... on ... the ...

## AREA 2: COMMUNITY DEVELOPMENT, AND PRODUCTION

17. 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. The Director is hereby vested with authority 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 to alter or modify 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 land 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





less than 30 days after such filing, and notice of such filing shall be given to the appropriate parties within 60 days after such filing.

#### 23. NON-DISCRIMINATION

23. The Unit Operator shall not discriminate against any employee or applicant for employment because of race, creed, color, or national origin, and an identical provision shall be incorporated in all subcontracts.

#### LOSS OF TITLE

24. In the event title to any tract of unallotted land or substantial interest therein shall fail and the true owner cannot be induced to join this unit agreement, so that such tract is not committed to this unit agreement, there shall be such readjustment of participation as may be required on account of such failure of title. In the event of a dispute as to title or as to any interest in unallotted land, the Unit Operator may withhold payment or delivery on account thereof without liability for interest until the dispute is finally settled; PROVIDED, That as to Federal and State land

or leases, no payments or deliveries by the United States or the State of any land or interest therein shall be withheld or delayed on account of any dispute as to title or interest therein.



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*Handwritten signature*  
194



To 8

1946, 100% All  
Sec. 31: S $\frac{1}{2}$  & E $\frac{1}{2}$  NW $\frac{1}{4}$   
Sec. 33: NW $\frac{1}{4}$   
2,477.20 acres, more or less

Description of Working Interest of:

Josephine Nolen

(Subject to option rights of  
Continental Oil Company)  
L.C. 062602, dated July 1, 1947,  
issued to Josephine Nolen, covering  
T-168-27E

Sec. 8 : E $\frac{1}{2}$  NW $\frac{1}{4}$   
Sec. 9 : All  
Sec. 10: S $\frac{1}{2}$  & NW $\frac{1}{4}$   
Sec. 17: All  
Sec. 18: Lot 4 & SE $\frac{1}{4}$  SW $\frac{1}{4}$  & E $\frac{1}{2}$   
Sec. 19: E $\frac{1}{2}$  E $\frac{1}{2}$   
Sec. 20: W $\frac{1}{2}$  NW $\frac{1}{4}$   
2,478.10 acres, more or less

*Josephine Nolen*  
Josephine Nolen (a single woman)

To 7-10

Description of Working Interest of:

Tom Nolen

(Subject to option rights of  
Continental Oil Company)  
L.C. 062603 dated May 1, 1947,  
issued to Tom Nolen, covering  
T-168-27E

Sec. 3 : Lots 2, 3, 4, 5, 6, 7, 11, 12, 13,  
14 & SW $\frac{1}{4}$   
Sec. 4 : All  
Sec. 5 : Lots 3, 4, 5, 12, 13  
Sec. 6 : Lots 1 to 18 inc., & E $\frac{1}{2}$  SW $\frac{1}{4}$   
& W $\frac{1}{2}$  SE $\frac{1}{4}$   
Sec. 7 : E $\frac{1}{2}$  NE $\frac{1}{4}$   
Sec. 8 : NW $\frac{1}{4}$   
2,479.35 acres, more or less

*Tom Nolen*  
Tom Nolen (a single man)

To 11-12

Description of Working Interest of:

E. S. Hitchcock

(Subject to option rights of  
Continental Oil Company)  
L.C. 062604 dated May 1, 1947,  
issued to E. S. Hitchcock, covering  
T-168-27E

Sec. 1 : All  
Sec. 2 : All  
Sec. 3 : All  
Sec. 4 : All  
Sec. 5 : All  
Sec. 6 : All  
Sec. 7 : All  
Sec. 8 : All  
Sec. 9 : All  
Sec. 10: All  
Sec. 11: All  
Sec. 12: All  
Sec. 13: All  
Sec. 14: All  
Sec. 15: All  
Sec. 16: All  
Sec. 17: All  
Sec. 18: All  
Sec. 19: All  
Sec. 20: All  
2,479.35 acres, more or less

To 13-14

W. A. Rounds  
L.C. 069480 dated July 1, 1949  
issued to W. A. Rounds, covering  
T-16S-27E

Sec. 12: S $\frac{1}{2}$  & S $\frac{1}{2}$ NE $\frac{1}{4}$   
Sec. 13: W $\frac{1}{2}$   
1,824.00 acres, more or less

*W. A. Rounds*  
W. A. Rounds  
*E. S. Hitchcock*  
E. S. Hitchcock (husband)

Description of Working Interest of:

W. A. Rounds

(Subject to option rights of  
Continental Oil Company)  
L.C. 069480 dated July 1, 1949,  
issued to W. A. Rounds, covering  
T-16S-27E  
Sec. 12: S $\frac{1}{2}$  & S $\frac{1}{2}$ NE $\frac{1}{4}$   
Sec. 13: W $\frac{1}{2}$   
720.00 acres, more or less

*W. A. Rounds*  
W. A. Rounds

*Mary Scott Rounds*  
Mary Scott Rounds (wife)

Description of Working Interest of:

H. E. Rennels

(Subject to option rights of  
Continental Oil Company)  
N.M. 0187 dated January 1, 1950,  
issued to H. E. Rennels in so far as  
it covers  
T-15S-26E  
Sec. 24: NE $\frac{1}{4}$ SE $\frac{1}{4}$  & S $\frac{1}{4}$ SE $\frac{1}{4}$   
Sec. 25: NE $\frac{1}{4}$  & N $\frac{1}{4}$ SE $\frac{1}{4}$  & SW $\frac{1}{4}$ SE $\frac{1}{4}$  & SW $\frac{1}{4}$   
Sec. 26: S $\frac{1}{4}$ SE $\frac{1}{4}$   
Sec. 35: NE $\frac{1}{4}$  & E $\frac{1}{4}$ SE $\frac{1}{4}$   
880.00 acres, more or less

*H. E. Rennels*  
H. E. Rennels

*Mellie Mae Rennels*  
Mellie Mae Rennels (wife)

Description of Working Interest of:

Bunice Gibson

L.C. 062723 dated July 1, 1949  
issued to Bunice Gibson, covering  
T-15S-26E  
Sec. 24: NE $\frac{1}{4}$ SE $\frac{1}{4}$  & S $\frac{1}{4}$ SE $\frac{1}{4}$   
Sec. 25: NE $\frac{1}{4}$  & N $\frac{1}{4}$ SE $\frac{1}{4}$  & SW $\frac{1}{4}$ SE $\frac{1}{4}$  & SW $\frac{1}{4}$   
Sec. 26: S $\frac{1}{4}$ SE $\frac{1}{4}$   
Sec. 35: NE $\frac{1}{4}$  & E $\frac{1}{4}$ SE $\frac{1}{4}$   
880.00 acres, more or less

*Bunice Gibson*  
Bunice Gibson



OK  
Description of Working Interest of:

John E. Cochran, Jr.  
Lease L.C. 009881 dated March 1,  
1950, issued to John E. Cochran, Jr.,  
in so far as it covers  
T-169-27E  
Sec. 33: N48E4  
80 acres, more or less

*John E. Cochran, Jr.*  
John E. Cochran, Jr.

*Harriett Cochran (Wife)*  
Harriett Cochran (Wife)  
Carper Building  
Artesia, New Mexico

2X  
Description of Working Interest of:

Rose F. Wilson  
N.M. State B-6961 T-169-27E  
Sec. 32: N48E4  
80 acres, more or less; and my in-  
terest in State B-8755 - SE4SE4  
32-159-27E, in the names of R. F.  
Wilson and M.E. Higgins.

Rose F. Wilson

Wilson (husband)  
810 S. Maple Street  
Aledo, Illinois

Description of Working Interest of:

Bertha H. Hawthorne  
N.M. State B-10,453 T-169-27E  
Sec. 34: N48E4  
80 acres, more or less

*Bertha H. Hawthorne*  
Bertha H. Hawthorne  
*Bertha H. Hawthorne*  
Hawthorne (husband)  
1620 N. Harvard Blvd.,  
Los Angeles 27, Calif.

2X  
Description of Working Interest of:

Ella A. Blake  
N.M. State B-10,453 T-169-27E  
Sec. 34: N48E4  
80 acres, more or less

*Ella A. Blake*  
Ella A. Blake  
*Ella A. Blake*  
Blake (husband)

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*Handwritten signature: [illegible]*

① 1994







The image is a high-contrast, black and white photograph of a textured surface. It appears to be a close-up of a book cover or a similar material. A prominent horizontal band of lighter, more uniform material runs across the middle of the frame. Above and below this band, the surface is highly textured and dark, with many small, light-colored specks and fibers visible. The overall appearance is grainy and aged, with a strong sense of depth and texture.

## CONCLUSIONS



11-169-27E  
containing 230.82 acres  
(otherwise described as  
Lots 1, 2, 3, 4, & 5 SW 1/4)

J. E. Smith 1/8

All of E 1/4 11-169-27E except  
W 1/2 SW 1/4 containing 300  
acres

1201 Taylor St., Rm. 4

11-169-27E

1/8

E 1/4 Section 5, T-16-S, R-27-E,  
containing 80 acres

*John H. Smith*  
*James H. Smith*  
*James H. Smith*  
*James H. Smith*

*James H. Smith*

*Wm. B. Brown*

*Wm. B. Brown*

*Wm. B. Brown*

*Wm. B. Brown*

*Wm. B. Brown*

*Wm. B. Brown*

*Wm. B. Brown*





171

1001-1001

501-501

1001-1001

On this 15 day of \_\_\_\_\_, 1950, before

me, \_\_\_\_\_, a Notary Public in and for the State of \_\_\_\_\_, 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 \_\_\_\_\_, 1950.

1001

1001-1001

1001-1001

On this 15 day of \_\_\_\_\_, 1950, before

me, \_\_\_\_\_, a Notary Public in and for the State of \_\_\_\_\_, 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 \_\_\_\_\_, 1950.



S. C. Holliman  
S. C. Holliman

2 1/2%

State of New Mexico lease  
B-9135 T-358 - B-278,  
Section 32, Township 4, R. 10  
acres more or less

\* Mary C. Holliman  
Holliman (wife)

28-B-2

2-70

L. C. Wright  
L. C. Wright

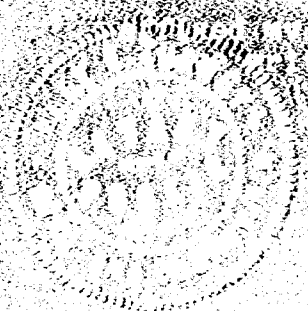
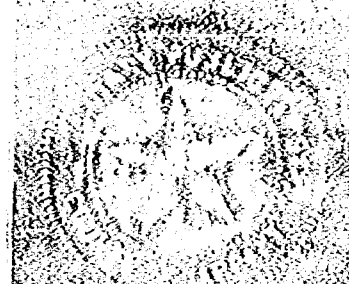
2 1/2%

L. C. 064796 in so far as it  
covers SE/4, SE/4, 29-358-278  
containing 40 acres

Harold C. Wright  
Harold C. Wright  
606 W. Las Grueas Ave.  
Las Cruces, New Mexico

28-B-1

2-69





# CLAMP

[illegible]

He personally appeared JOHN B. CONRAD, JR. and BARBARA CONRAD, his wife, to whom the above petition is returned.



**WILSON**

On this \_\_\_\_\_ day of \_\_\_\_\_, 1950, before

1. personally appeared BILLA A. BLAKE and her husband, to me known to be the persons named in and authorized by the foregoing instrument, and acknowledged that they executed the foregoing instrument for the purposes and in the capacity therein expressed.

I hereby certify that \_\_\_\_\_ at my hand and  
on \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_  
has been duly admitted as a member in this certificate

Public

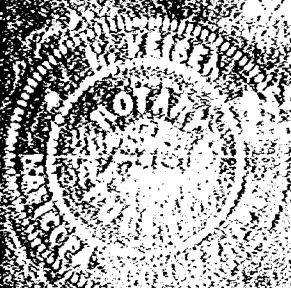
commission expenses

NAME OF *Shirley*  
 COUNTY OF *San Diego*

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 11-20-2008 BY 60322 UCBAW/BJS

100-443887-100

100-443887-100



affirmed by the  
above

My commission expires

STATE OF

COUNTY OF

SS.

On this day of 1942 before me 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.

My commission expires \_\_\_\_\_

My commission expires

State of *Idaho*

County of *Boise*

On this day of *November* 1942 before me 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.

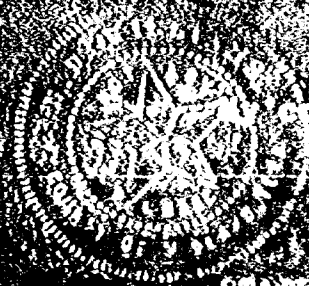




On this 14th day of March, 1950, before me  
John H. Williams, his wife,  
and the undersigned, the undersigned the

and the undersigned, the undersigned the

John H. Williams  
Notary Public

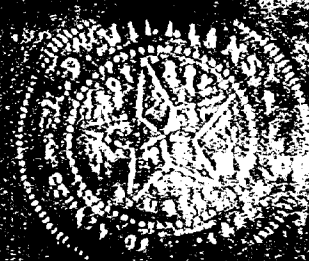


Commission Expires 1951

STATE OF Texas 1  
COUNTY OF Madison 1 ss.

On this 14th day of March, 1950, before  
me personally appeared GERTRUDE W. DUFFIELD,  
her husband, to be known to be the persons whose names are  
signed to the foregoing instrument, and acknowledged that they  
executed the same for the purposes and consideration therein  
expressed.

I, John H. Williams, a Notary Public in and for the State of Texas,  
do hereby certify that the foregoing instrument was duly executed  
before me on the day and date above written.



John H. Williams  
Notary Public

Commission Expires 1951

STATE OF Texas  
COUNTY OF Madison

On this 14th day of March, 1950, before me  
John H. Williams, his wife,  
and the undersigned, the undersigned the

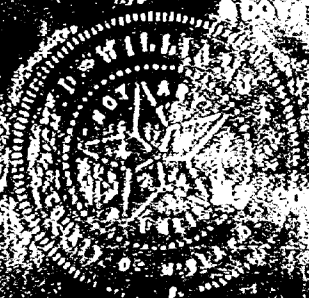




STATE OF Texas  
COUNTY OF Middle

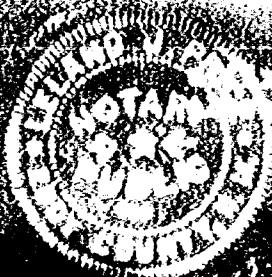
On this 20th day of March, 1920, I, John A. Smith, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in the records of the County of Middle, State of Texas.

Witness my hand and the seal of said County at the City of Dallas, this 20th day of March, 1920.



STATE OF Texas  
COUNTY OF Middle

On this 20th day of March, 1920, I, John A. Smith, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in the records of the County of Middle, State of Texas.



STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 1949, before me personally appeared \_\_\_\_\_, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed the same for the purposes and consideration therein expressed.

In witness whereof, I have hereunto set my hand and affixed my official seal this \_\_\_\_\_ day of \_\_\_\_\_, 1949.

WITNESSES:

\_\_\_\_\_

\_\_\_\_\_

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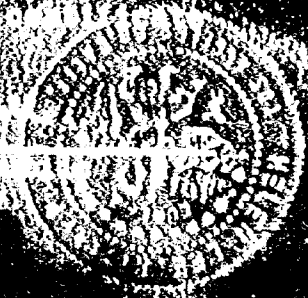
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My Commission Expires \_\_\_\_\_



STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 1949, before me 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.

I, \_\_\_\_\_, a Notary Public in and for the State of New York, do hereby certify that \_\_\_\_\_ is duly qualified to execute the same and that he is duly sworn in this certificate.

NOTARY PUBLIC

My Commission Expires \_\_\_\_\_



THE  
JOURNAL  
OF  
THE  
ROYAL  
ANTHROPOLOGICAL  
INSTITUTE  
OF GREAT  
BRITAIN  
AND IRELAND  
VOLUME  
LXXV  
PART I  
1945

IN THE MATTER OF THE APPLICATION  
OF THE CONTINENTAL OIL COMPANY,  
A CORPORATION, FOR AN ORDER  
APPROVING THE PROPOSED DIAMOND  
HOUND UNIT AGREEMENT, ENCOMPASSING  
25,542.87 ACRES OF FEDERAL, STATE  
AND PRIVATELY OWNED LANDS SITUATED  
IN CHAVES AND EDRA COUNTIES, NEW  
MEXICO, WITHIN TOWNSHIPS 15 AND  
16 SOUTH, RANGES 26 AND 27 EAST,  
N.M.P.M.

ORDER NO. 1001

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10:00 o'clock, A.M., on the 18th day of July 1950, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission", upon the application of the Continental Oil Company for approval of the Diamond Hound Unit Agreement covering lands situated in Chaves and Edra Counties, 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 protection of lands.

IT IS THEREFORE ORDERED, AT THE COMMISSION AS FOLLOWS:

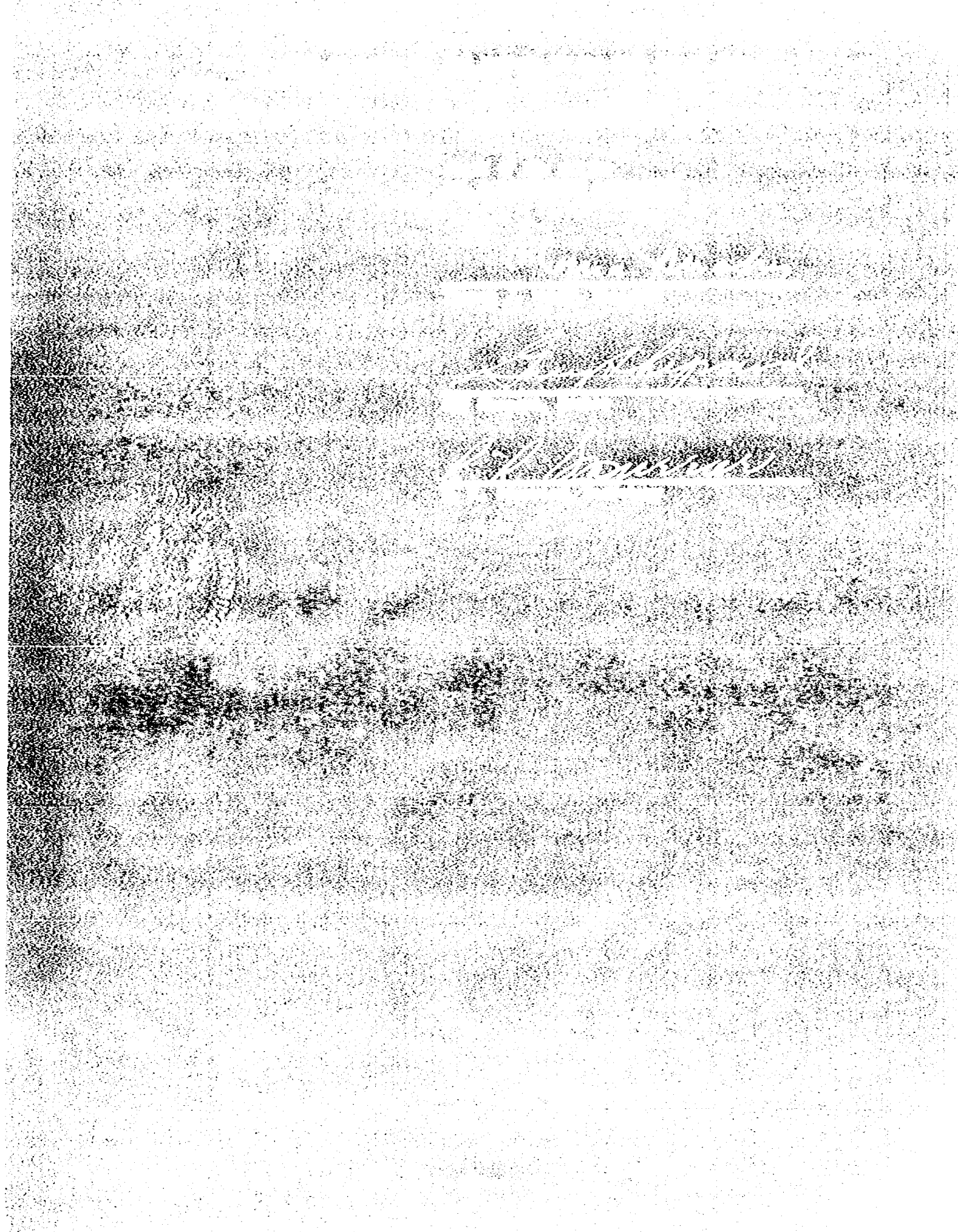
1. That this order shall be known as the  
DIAMOND HOUND UNIT AGREEMENT, and

2. That the said unit plan shall be approved and the said unit agreement shall be approved.

IT IS FURTHER ORDERED that the said unit plan and the said unit agreement shall be filed in the office of the Secretary of the Commission.







THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 07-11-2001 BY SP8 BTM/bjs

There having been no objection to the proposed amendments to the Rules of the Commission, the Commission has adopted the following amendments to the Rules of the Commission:

- (a) That such Agreement will tend to promote the conservation of oil and gas and the better utilization of recoverable energy in said field;
- (b) That under the operations proposed, the State will receive its fair share of the recoverable oil and gas in place under its land 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 conservation of resources and the sharing of production from a part of the area covered by the agreement as an average basis as provided in the agreement.

[illegible]

100-443887-100



**EXHIBIT 101**  
**PERCENTAGE AND KIND OF SUBSTANCE OF OIL AND GAS**  
**IN THE FIELD OF THE DISTRICT OF COLUMBIA**

Serial No. 101  
 No. of the Census  
 Name of the Field  
 Name of the District

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THE  
UNITED STATES  
DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
WASHINGTON, D. C.

MEMORANDUM FOR THE CHIEF OF STAFF  
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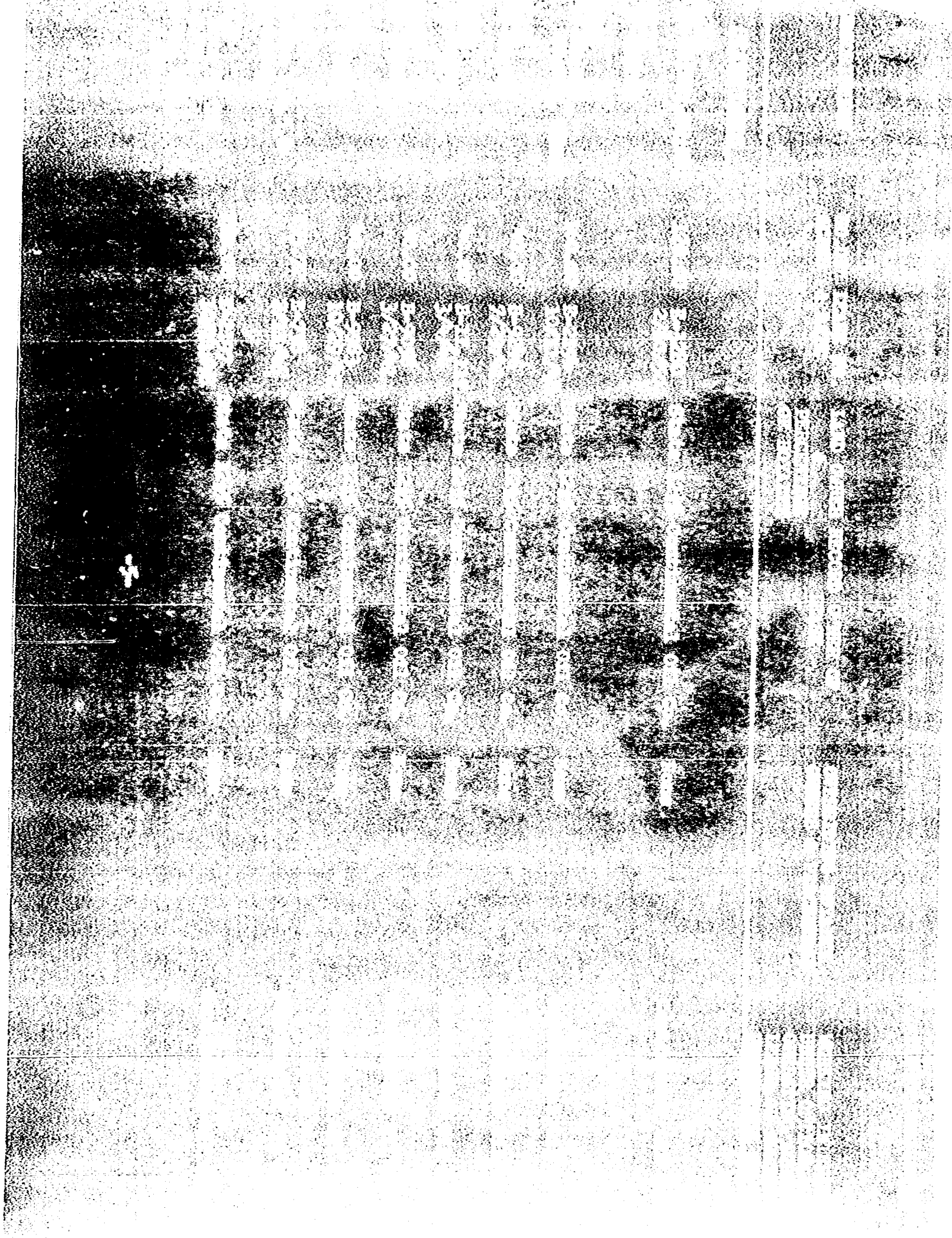




# DESCRIPTION

No. of SERIAL NO. LAND OWNER, RECORD OWNER OF  
ACRES L.A.S. CHANGES  
(Except as PERFORMANCE APPROPRIATION  
otherwise OF RECORD  
shown) Date  
OF ISSUE

116-127	944.30	06267	USA	1215	Marjorie I. Ellsworth	
116-128		7/1/49				
116-129	720.00	069480	USA	1215	W. A. Edwards	
116-130		7/1/49				
116-131	720.00	111,0007	USA	1215	H. E. Edwards	
116-132		1/1/50				
116-133	160.00	111,0107	USA	1215	H. E. Edwards	
116-134		1/1/50				
116-135	80.00	062725	USA	1215	Edwin Edwards	
116-136		(app)				
116-137	50.00	061734	USA	1215	G. V. Edwards	
116-138		(app)				
116-139	100.00	062000	USA	1215	Edwin E. Edwards	
116-140		(app)				
116-141	80.00	062000	USA	1215	John E. Edwards	
116-142		1/1/50				
						22,494.81







SECTION

NO. OF LEASE NO. 4 DITE

LAND O'NEA  
POSSIBILITY  
OF REVENUE

REVENUE  
OF LEASE

REVENUE  
OF LEASE

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8-9871  
10/10/82

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1.11

122.00

8-1196  
9/11/80

WATER 1211

1.11

100.00

8-9311  
9/27/84

WATER 1211

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100.00

8-9311  
9/27/84

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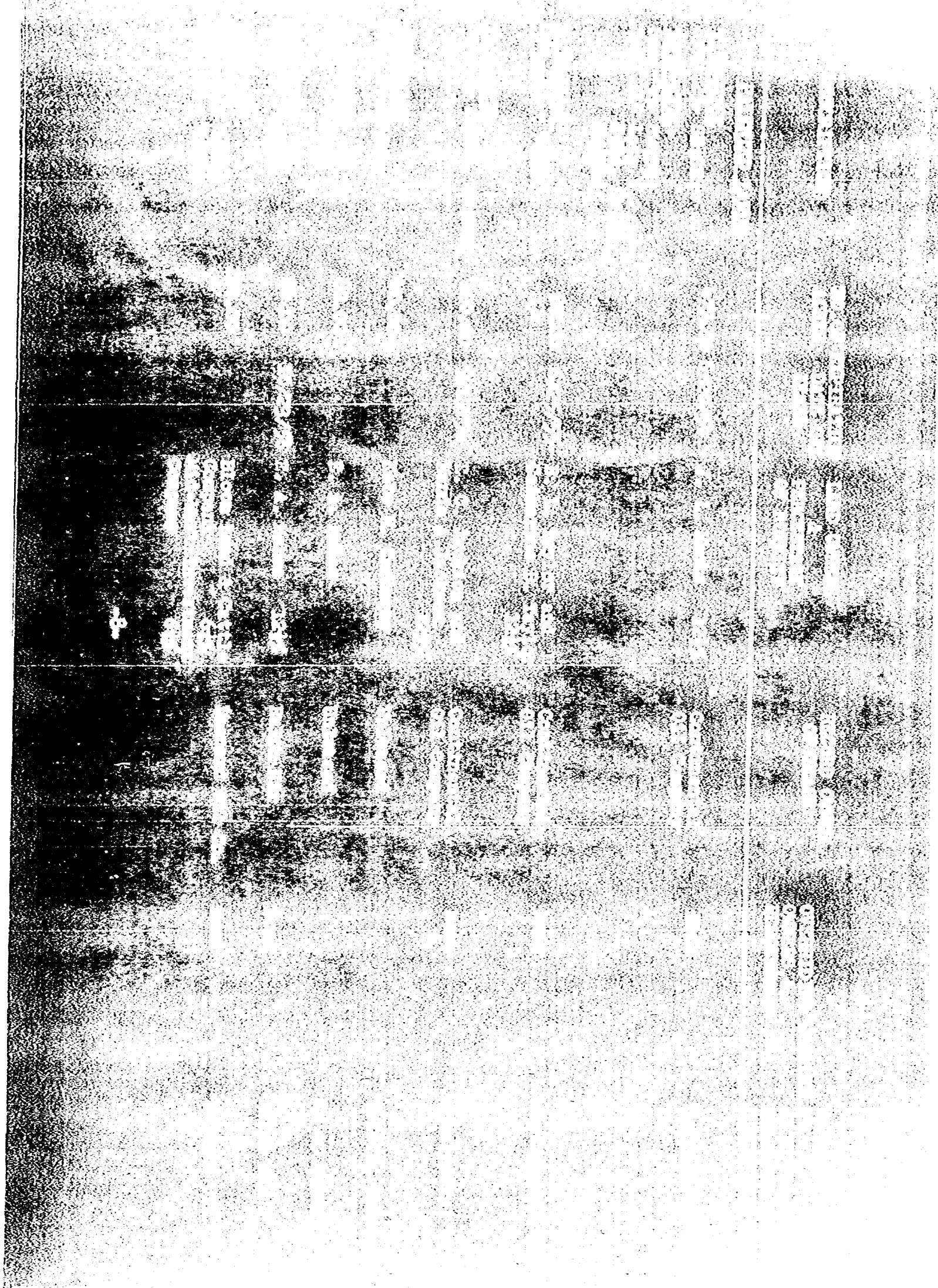
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INSTITUTE  
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BRITAIN  
AND IRELAND  
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1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

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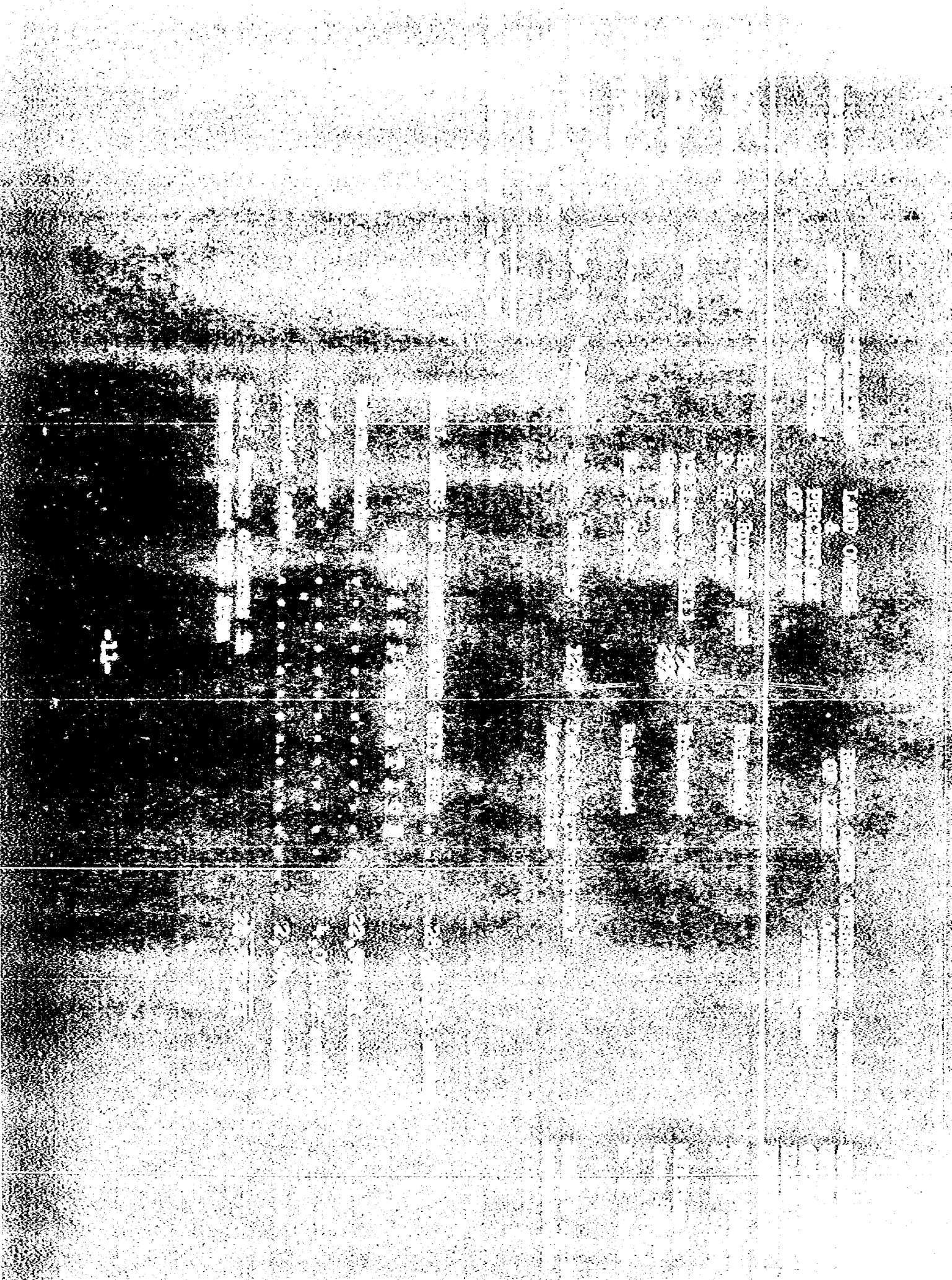
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Continental

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1. The first of these is the fact that the United States has a large and growing population of people who are of Mexican descent. This population is concentrated in the southwestern United States, particularly in California, Arizona, and New Mexico. It is estimated that there are over 10 million people of Mexican descent in the United States, and this number is expected to increase significantly in the future.

2. The second of these is the fact that the United States has a large and growing population of people who are of Mexican descent. This population is concentrated in the southwestern United States, particularly in California, Arizona, and New Mexico. It is estimated that there are over 10 million people of Mexican descent in the United States, and this number is expected to increase significantly in the future.

3. The third of these is the fact that the United States has a large and growing population of people who are of Mexican descent. This population is concentrated in the southwestern United States, particularly in California, Arizona, and New Mexico. It is estimated that there are over 10 million people of Mexican descent in the United States, and this number is expected to increase significantly in the future.

4. The fourth of these is the fact that the United States has a large and growing population of people who are of Mexican descent. This population is concentrated in the southwestern United States, particularly in California, Arizona, and New Mexico. It is estimated that there are over 10 million people of Mexican descent in the United States, and this number is expected to increase significantly in the future.

5. The fifth of these is the fact that the United States has a large and growing population of people who are of Mexican descent. This population is concentrated in the southwestern United States, particularly in California, Arizona, and New Mexico. It is estimated that there are over 10 million people of Mexican descent in the United States, and this number is expected to increase significantly in the future.

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The image is a high-contrast, black-and-white scan of a textured surface. It features a prominent horizontal band of lighter, more uniform material running across the middle, which appears to be a seam or a change in the surface texture. The areas above and below this band are darker and more heavily textured, with visible grain and noise. The overall appearance is grainy and noisy, suggesting a low-quality scan or a heavily textured surface.



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WATER RIGHTS SECTION

*Chas. J. [illegible]*  
[illegible]

*[illegible signature]*

STATE OF [illegible]  
COUNTY OF [illegible]

Know all men by these presents, that [illegible] of the County of [illegible] State of [illegible] do hereby certify that [illegible]

[illegible text block containing multiple lines of text, likely a legal description or certificate details]

Witness my hand and seal this [illegible] day of [illegible] 19[illegible]

At [illegible] in the County of [illegible] State of [illegible]

[illegible text block]

[illegible text block]

[illegible text block]

CONFIDENTIAL

[illegible]

Page 11 of 11

and to hereby take in said writ agreement and ratify the same  
correctly as if the undersigned had executed the original of  
said writ agreement.

IN WITNESS WHEREOF, this declaration is executed by the undersigned as of the dates and locations their respective signatures:

Sept. 2, 1950

**MOORE TALKING, 2003**

# The Book

Walter T. Booge

June 1960

*L. E. Allen*

SECRET

Marvin M. Williams

# PROFITS

001111960



STATE OF New Mexico  
COUNTY OF Alameda

On this 6th day of December, 1920,  
before me personally appeared John W. Williams and Mary Magenta  
W. Williams, to me known to be the persons described  
in and who executed the foregoing instrument, and acknowledged  
that he executed the same as his free act and  
deed.

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

Commission Expires  
Jan 11 1923

M. W. Scumble  
Notary Public

STATE OF New Mexico  
COUNTY OF Chavez SS

On this 2nd day of September, 1920, before me  
personally appeared Sam Sosa  
to me personally known the being by me duly sworn, did say  
that he is the President of Sam Sosa  
Sam Sosa, and that the seal  
affixed to said instrument is the official 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 that Sam Sosa



NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR APPROVAL OF DIAMOND MOUND UNIT AREA  
CHAVES AND EDDY COUNTIES, NEW MEXICO

New Mexico Oil Conservation Commission  
Santa Fe, New Mexico

COMES the undersigned, the CONTINENTAL OIL COMPANY, a corporation with offices at Fort Worth, Texas, and files herewith three copies of a proposed Unit Agreement for the development and operation of the Diamond Mound Unit Area embracing lands in Chaves and Eddy Counties, 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 Unit Agreement comprises 27,272.85 acres situated in Townships 15 and 16 South, Ranges 26 and 27 East. That 22,094.81 acres of the lands embraced in said proposed Unit Area are lands of the United States, 4,073.72 acres are State lands and 2,424.32 acres are fee or privately owned lands. That said Unit Area is more particularly described by the plat attached to said Unit Agreement and for purposes of identification marked Exhibit "A".

2. That the Unit Area described in the proposed Unit Agreement has heretofore been designated by the United States Geological Survey as one suitable and proper for unitization and it is believed that said proposed Unit Area embraces substantially all of the geological feature involved. That there is attached hereto, made a part hereof and for purposes of identification marked Exhibit "A" a geological report made by W. Baxter Boyd, Geologist for the Continental Oil Company under date of March 2, 1949, with plat attached thereto referred to



therein as Exhibit "B", which said report and plat are to be treated as confidential, showing the result of core tests made by the Continental Oil Company in said Area. These are the same report and plat which were filed with the Director of the United States Geological Survey and which were used as a basis for the designation of said Area by the Director of the United States Geological Survey as an Area proper and suitable for unitization. A copy of the letter under date of April 8, 1949, of the Acting Director of the United States Geological Survey, designating said Area, is attached hereto, made a part hereof and for purposes of identification marked Exhibit "B".

3. That the undersigned, the Continental Oil Company, is designated as the unit operator in said Agreement and the unit operator is given authority under the terms thereof to carry on all operations which are necessary for the development and operation of the Unit Area for oil and gas subject to all applicable laws and regulations. That Section 8 of said Unit Agreement provides for the commencement of a test well for oil and gas upon some part of the lands embraced in the Unit Area within six months from the effective date of the Unit Agreement and for the drilling thereof to a depth of 10,000 feet unless at a lesser depth oil or gas is discovered which can be produced in paying quantities, or the unit operator shall at any time establish to the satisfaction of the Supervisor as to all wells on Federal land or the Commission as to wells on State or patented land that further drilling would not be warranted.

4. That said Unit Agreement is in substantially the same form as Unit Agreements heretofore approved by the Commissioner of Public Lands in the State of New Mexico, the Secretary of the Interior and 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 and the Secretary of the Interior of the United States, an approved copy of said Unit 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 upon said hearing, said Unit Agreement be approved by the New Mexico Oil Conservation Commission.

Respectfully submitted,  
CONTINENTAL OIL COMPANY

By T. M. Cady  
T. M. Cady  
Area Land Superintendent  
Fort Worth Area

**EXHIBIT "A"**

**GEOLOGICAL REPORT - DIAMOND MOUND AREA,  
TOWNSHIP 16 SOUTH, RANGE 27 EAST,  
EDDY COUNTY, NEW MEXICO**

The Diamond Mound Area, Township 16 South, Range 27 East, Eddy County, New Mexico, where the Continental Oil Company proposes to test the oil and gas possibilities to and including the Ellenburger formation, derives its name from a prominent topographic mesa shown and named Diamond Mound on the U.S.G.S. maps of the area. This area is located about six miles north of the west end of the Artesia-Maljamur trend. Oil fields on this trend produce oil from the Grayburg and San Andres formations (Permian).

The attached map, Exhibit "B", is the result of exploration work with the core drill. The top of the Artesia sand, found between 140' and 650', was found to be a reliable structural marker for this part of the geological column. Contouring on this horizon the core drill control reveals a structural terrace five miles wide and seven miles long centering in Township 16 South, Range 27 East. Superimposed on the terrace are minor closures. Across the center of this township the Artesia sand dips eastward only 50' whereas the normal dip in adjacent townships, both east and west, is approximately 55' per mile. It is thought that this core drill terrace indicates the possibility of an anticline in the Pennsylvanian and Pre-Pennsylvanian formations.

Page 2  
Exhibit "A"  
Geological Report - Diamond Mound Area

The following horizons are considered prospective producing zones under this structural anomaly:

Grayburg (Permian)	1100'
San Andres (Permian)	1400'
Huaco-Upper Pennsylvanian	6200'
Mississippian Limestone	7900'
Hunter Limestone	9000'
Ellenburger (Ordovician)	9600'

In order to test the possibilities of the prospective deep structure under the core drill terrace, one of the minor closures on the terrace has been selected for drilling in Section 11, Township 16 South, Range 27 East. The specific location selected is 660' from the north and east lines of Section 11. This point has been selected because it has been observed in fields on the Artesia-Maljanar trend that Permian production is more apt to occur on the eastern side of such terraces.

*W. Baxter Boyd*  
W. Baxter Boyd  
Division Geologist  
Fort Worth Division

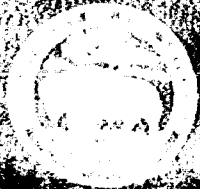
WBB/gnd

March 2, 1949

CC: TMC, JAC, WEN, USOS(3), CDV

2-6-x

EXHIBIT "B"



UNITED STATES  
DEPARTMENT OF THE INTERIOR

APR - 8 1949

Continental Oil Company,  
1710 Fair Building,  
Fort Worth 5, Texas.

Gentlemen:

Reference is made to your letter of March 9, 1949, filed in the office of the Oil and Gas Supervisor, Roswell, New Mexico, requesting designation of certain lands in Chaves and Eddy Counties, New Mexico, as logically subject to exploration and development under the unitization provision of the Mineral Leasing Act.

Pursuant to regulations of January 17, 1947, 30 C. F. R., sec. 226.5, the following land is designated as a logical unit area, to be known as the Diamond Mount Unit Area:

New Mexico Principal Meridian

T. 15 S., R. 28 E., sec. 24, all  
sec. 25, all  
sec. 26, all  
sec. 28, all  
sec. 34, all  
T. 15 S., R. 27 E., sec. 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 31, all  
sec. 32, all  
sec. 33, 34  
T. 16 S., R. 27 E., sec. 1 to 34 inclusive  
sec. 35, 36

The following lands have been included in the area designated above to provide a suitable boundary for the unit area:

T. 15 S., R. 28 E., sec. 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, 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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, 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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, 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...and the same shall be incorporated into the agreement:

- a. Inasmuch as the Secretary has delegated authority to the Director of the Geological Survey to execute standard unit agreements, substitute "Director for Secretary" in sections 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.
- b. The text to be inserted in section 18 should read, "shall terminate in 3 years after such date, unless ...".
- c. When the executed agreement is transmitted to the Supervisor for approval, include the latest status of all Federal acreage showing the current record owner of all issued leases and the current status of all lease applications, if any.
- d. Delete from the end of section 17 of the standard text, "and as to Federal land shall be subject to approval by the Secretary."

Very truly yours,

*Julian B. Sean*  
Acting Director.