

Case No.

780

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Application, Transcript,  
Small Exhibits, Etc.

New Mexico  
OIL CONSERVATION COMMISSION

GOVERNOR EDWIN L. MECHEM  
CHAIRMAN  
LAND COMMISSIONER E.S. WALKER  
MEMBER  
STATE GEOLOGIST W.B. MACEY  
SECRETARY AND DIRECTOR



Box 2045  
HOBBS, NEW MEXICO.

December 7, 1954

Case 780  
File

Return to Macey

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

Dear Mr. Macey:

The enclosed report, which is entitled "Geological Report No.1", is the first of a series to be written on all investigations that warrant recommendations, or those investigations which will be of value at a later date.

Yours sincerely,

OIL CONSERVATION COMMISSION

*Randall F. Montgomery*  
Randall F. Montgomery  
Geologist

RFM/hs

MAILED 10 AM 8:23  
MAIN OFFICE OCC

GEOLOGICAL REPORT NUMBER ONE

Teas Pool  
Lea County, New Mexico

GEOLOGICAL REPORT NUMBER 1

ENCLOSURES: Enclosure No. 1, Yates Structure Contour Map of the Teas Pool  
Enclosure No. 2, Cross-section of the Teas Pool.

PURPOSE: To outline the geology of the Teas Pool and to make certain recommendations as to the vertical limits.

LOCATION: The Teas Pool lies about 30 miles southwest of Hobbs, just south of U.S. Highway 62-180 connecting Hobbs and Carlsbad, in Sections 11, 13, 14, 15 and 24, Township 20 South, Range 33 East and Section 18, Township 20 South, Range 34 East, Lea County, New Mexico.

STRATIGRAPHY:

The section penetrated in the Teas Pool is a typical back-reef section, relatively close to the Tansill Reef and underlain by the Seven Rivers Reef, as indicated by the sedimentology of the Tansill-Yates-Seven Rivers section.

Red Beds:

The underlying red-bed section is some 1300-1400 feet thick and is Triassic and Permian in age.

Rustler:

An average thickness of 125 feet and is a white anhydrite with sandstone stringers containing ferro-magnesium sands.

Salado:

The Salado formation, 1400-1500 feet thick, is a salt and anhydrite section consisting, in the main, of salt. The section shows the greatest variation in the lower 500 feet, where the section has probably eroded.

Tansill:

Dolomite and anhydrite about 175 feet thick.

Yates:

Dolomite and sandstone, sandstone is very fine-grained to fine-grained gray and red sandstone with some rounded frosted coarse-grained sand which is found throughout

Yates, cont'd

the Yates section. Dolomite is laminated to medium bedded and characteristically light gray to medium gray in the upper 30 feet, then becoming light gray to pink and shaly dolomite, often with a thin bed of dark gray micaceous shale overlying the light gray to pink dolomite. About 100 feet below the first sand the dolomite is light gray to white, with a thickness of some 300 feet.

Seven Rivers:

The upper 80 feet is alternating sandstone and dolomite, passing into a "reefoid" section. The Seven Rivers has not been completely penetrated in this area.

STRUCTURE:

Enclosure No. 1 is a structure map contoured on top of the Yates formation, which illustrates that the accumulation is controlled primarily by an anticlinal structure, in part closed. Lithological traps are unidentified, but undoubtedly contributing as indicated by a rapid lithological change from the top of the structure to the Hudgens well (Enclosure No.2).

RESERVOIR STRATA:

The fourteen wells in the area are completed in one of three zones. This is designated on Enclosure No. 1 as first pay, second pay, and third pay. The upper two pays produce from a sand within the Yates and the third a dolomite within the Yates. The nature of the different types of reservoir rock probably effects the large range of gravity which the wells produce. The gravity of the crude is indicated on Enclosure No. 1. The Gas-Oil ratios are apparently very low, as is the bottom-hole pressure, although no data are available at this time.

The J. Don Hudgens Federal No. 1, NW SE 18-20-34, tested 20 bbls. water in 30 minutes at 3790(-166). The Cities Service McDonald AA-1, SW SW 17-20-34, had three bailers of sulphur water per hour at 3630(-8). At the Cities Service McDonald No. 1, SE SE 18-20-34, the hole filled with sulphur water at 3613(+18), and produced 6 bbls. water from 3545-49(+86).

Most wells have logged shows of oil which correlate with the three zones presently producing.

DEVELOPMENT:

The Cities Service Jewett-McDonald No. 1, SE SE 18-20-34, was the discovery well completed in June 1929 with an initial potential of 60 bopd. This well was offset to the east in March, 1942, but the offset was plugged and abandoned. Other wells were drilled in and around the area but the next production was obtained from the Paul C. Teas Dinnin No. 1, completed March 14, 1951. Eight of the fourteen producing wells have been completed in 1954.

Cable tools are used from the surface to total depth, most operators have run 13-3/8" casing at about 80 feet, 10-3/4" to some 550 feet, 8-5/8" at about 1000 feet, setting all the above and cementing 7" or 5-1/2" above the pay, then the other strings are pulled.

The area looks very favorable for continued development, particularly Sections 13, 14, 15 and 23.

CONCLUSION:

The Teas Pool production is entirely in the Yates formation. The three isolated pays are separated by impermeable strata. Due to apparent low pressure and completion practices (isolation of each zone), the reservoir is not being harmed. It is the unusual reservoir which does not have isolated zones of production.

RECOMMENDATIONS:

That the top of the Seven Rivers be designated as that point in the J. Don Hudgens Federal No. 1, NW SE 18-20-34, encountered at 3610 feet, thereby making all production in the Teas Pool Yates.

OIL CONSERVATION COMMISSION

*Randall F. Montgomery*

Randall F. Montgomery  
Geologist

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 780  
Order No. R-544

THE APPLICATION OF THE OIL  
CONSERVATION COMMISSION UPON  
ITS OWN MOTION FOR AN ORDER  
CALLING FOR THE EXTENSION OF  
EXISTING POOLS OR CREATION OF  
NEW POOLS AND DEFINING THE  
VERTICAL LIMITS OF EXISTING POOLS  
IN LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 20, 1954, at Hobbs, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this <sup>17</sup> day of November, 1954, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

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

(2) That the Monument - Ellenburger Gas Pool should be created as advertised.

(3) That a deviation from legal advertisement should be approved and that the Maljamar-Abo Pool should be created in Lea County, New Mexico, the name superseding the advertised designation of "Baish-Abo."

(4) That extensions as advertised should be approved for the Dollarhide-Queen Oil Pool and the Justis Gas Pool.

(5) That Section 'd' of this case should be postponed to the regular hearing of November 17, 1954, to permit further study by the Commission staff relating to the vertical limits of the Teas Pool.

IT IS THEREFORE ORDERED:

That the application of the Oil Conservation Commission of New Mexico be, and the same hereby is approved as follows:

(a) That a new pool should be created in Lea County, New Mexico, classified as a gas pool for production from the Ellenburger formation, designated as the Monument-Ellenburger Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 36 EAST, NMPM  
All of Section 36

(Creation of the Monument-Ellenburger Pool is based upon Gulf Oil Corporation's Graham State 'F' No. 3-E Well, SE/4 SE/4 36-19S-36E, producing gas from the Ellenburger formation at a depth of 9785 feet.)

(b) That a new pool should be created in Lea County, New Mexico, classified as an oil pool for production from the Abo formation, designated as the Maljamar-Abo Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM  
S/2 of Section 16; SE/4 of Section 17;  
E/2 of Section 20; all of Section 21

(Creation of the Maljamar-Abo Pool is based upon Buffalo Oil Company's recompletion of its M. E. Baish Well 'A' No. 25, SE/4 NW/4 21-17S-32E, producing oil from the Abo formation with top of perforations 8980 feet.)

(c) That the boundary of the Dollarhide-Queen Oil Pool in Lea County, New Mexico, as heretofore classified, defined and described, should be extended to include:

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM  
That portion of S/2 of Section 33  
lying within the State of New Mexico.

(d) That extension or definition of the vertical limits of the Teas Pool should be deferred pending further study by the Commission staff, and the matter taken up at the regular November 17, 1954, hearing.

(e) That the boundary of the Justin Gas Pool in Lea County, New Mexico, as heretofore classified, defined and described, should be extended to include:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
E/2 of Section 24

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*E L Mechem*  
EDWIN L. MECHEM, Chairman

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

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







BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO  
November 17, 1954

IN THE MATTER OF:

CASE NO. 780 - Regular Hearing

TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**  
COURT REPORTERS  
ROOMS 105, 106, 107 EL CORTEZ BUILDING  
TELEPHONE 7-9546  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
November 17, 1954

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IN THE MATTER OF:

Section (d) of the October 1954 nomen-  
clature case for Southeastern New Mexico  
was continued to this date to permit  
further study relating to extension of the  
vertical limits of the Teas Pool as previ-  
ously advertised (to include all of the  
Yates and Seven Rivers formations).  
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Case No. 780  
(Cont'd.)

BEFORE:

Honorable Edwin L. Mechem  
Mr. E. S. (Johnny) Walker  
Mr. William B. Macey

TRANSCRIPT OF HEARING

MR. MACEY: The next case on the docket is Case 780.

S. J. STANLEY,

called as a witness, having been previously duly sworn, testified  
as follows:

DIRECT EXAMINATION

By MR. YOST:

Q State your name, please.

A S. J. Stanley.

Q You have been previously sworn, is that correct?

A That is correct.

Q You are an engineer with the Oil Conservation Commission  
of New Mexico?

A Yes, sir.

Q You are acquainted with Case 780?

A Yes, sir, I am.

ADA DEARNLEY & ASSOCIATES  
STENOTYPE REPORTERS  
ALBUQUERQUE, NEW MEXICO  
TELEPHONE 3-6691

Q Do you have any recommendations to make in that case?

A I recommend that the Yates and Seven Rivers be incorporated as one producing zone within the defined limits of the Teas Pool.

Q Do you care to elaborate on your reason for the recommendation?

A The reason for that particular recommendation is the fact that that particular pool has incorporated the Yates and Seven Rivers, and the particular development of that said pool. It is the usual occurrence in that particular field that a Yates producer may not be a Seven Rivers producer in that area. In other words, it has been found in that particular area that the Yates zone, due to the geology of that particular zone, may be non-productive, and the operator deepens his well to the Seven Rivers zone, and thereby, makes a commercial producer, and I believe that it is not feasible to drill two wells on a particular 40-acre spacing, to incorporate the Yates on one hand and the Seven Rivers on the other. That is the consensus of all the operators in that particular area. Geological studies have proved that point and I believe that it is a matter of conservation, and a matter of economics to incorporate the two zones as defined vertically in that particular field.

MR. YOST: That is all. (Off the record.)

MR. MACEY: We will go back on the record and make a statement for the record as to what you think we ought to do with the case.

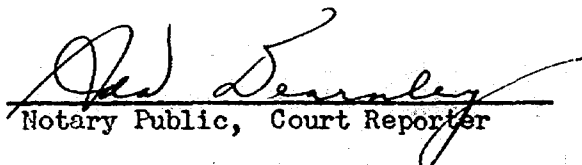
A. I believe we should continue the case for further study until next month.

MR. MACEY: The case will be continued to December. The hearing is adjourned.

STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) ss.

I, ADA DEARNLEY, Court Reporter, do hereby  
certify that the foregoing and attached transcript of proceedings  
before the New Mexico Oil Conservation Commission at Santa Fe,  
New Mexico, is a true and correct record to the best of my  
knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial  
seal this 18th day of November, 1954.

  
Notary Public, Court Reporter

My Commission Expires:

June 19, 1955



BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 780

TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**  
COURT REPORTERS  
ROOMS 105, 106, 107 EL CORTEZ BUILDING  
TELEPHONE 7-9546  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
December 16, 1954

Section (d) of this case has been twice continued to permit studies relating to possible extension of the vertical limits of the Teas Pool (to include all the Yates and Seven Rivers formations).

Case No. 780

**BEFORE:**

Mr. E. C. (Johnny) Walker  
Mr. William Macey

TRANSCRIPT OF HEARING

**ADA DEARNLEY & ASSOCIATES**  
STENOTYPE REPORTERS  
ALBUQUERQUE, NEW MEXICO  
TELEPHONE 3-6691



R A N D A L L F I E L D S M O N T G O M E R Y,

called as a witness, having previously been duly sworn, testified as follows:

DIRECT EXAMINATION

By: MR. YOST:

Q Will you please state your name.

A Randall Fields Montgomery.

Q And you have been previously sworn, have you not?

A Yes, sir, I have.

Q And you are a geologist for the Oil Conservation Commission?

A Yes, sir.

Q And you have previously testified before the Commission?

A Yes, sir, I have.

Q Are you familiar with the subject matter of Case 780?

A Yes, sir, I am.

Q And have you made a study relating to the possible extension of the vertical limits of the Teas Pool to include all the Yates and Seven Rivers formations?

A Yes, sir, I have.

Q Would you please state in general what that study has consisted of?

A Well, I ran the samples on all the wells that were available to me at that time which were about five or six wells and have studied all the available electric logs that were available in the area and the scout tickets that we had in that area. I also made a cross-section which is marked as Exhibit No. 1 and the structure map which is marked as Exhibit No. 2.

Q Would you please explain those exhibits, 1 and 2?

A Exhibit No. 1 shows the top of the Tansill formation and the top of the Yates formation. This is a typical back reef section relatively near the Tansill reef and overlies the Seven Rivers reef. In this immediate area the stratigraphy, first, we have going from the youngest to the oldest the red-bed section is some thirteen to fourteen hundred feet thick and is Triassic and Permian in nature. Then we encounter the Rustler formation as an average thickness of 125 feet and is a white anhydrite with sandstone stringers containing ferro-magnesium sands. The Salado formation, 1400-1500 feet thick, is a salt and anhydrite section consisting, in the main, of salt. The section shows the greatest variation in the lower 500 feet where the section has probably eroded. The Tansill formation is a Dolomite and anhydrite about 175 feet through. The Yates is a Dolomite and sandstone. Sandstone is very fine-grained to fine-grained gray and red sandstone with some rounded frosted coarse-grained sand which is found throughout the Yates section. Dolomite is laminated to medium bedded and characteristically light gray to medium gray in the upper 30 feet, then becoming light gray to pink and shaly dolomite, often with a thin bed of dark gray micaceous shale overlying the light gray to pink dolomite. About 100 feet below the first sand the dolomite is light gray to white, with a thickness of some 300 feet. Seven Rivers formation, the upper 80 feet is alternating sandstone and dolomite, passing into a "reefoid" section. The Seven Rivers has not been completely penetrated in this area.

Exhibit No. 2, is a structure map contoured on top of the Yates formation, which illustrates that the accumulation is controlled primarily by an anticlinal structure, in part closed.

Lithological traps are unidentified, but undoubtedly contributing as indicated by a rapid lithological change from the top of the structure to the Hudgens well on the far eastern side.

On Exhibit No. 1, the fourteen wells in the area are completed in one of three zones. This is indicated on Exhibit No. 2 for each well as first pay, second pay, and third pay. Also, illustrated on Exhibit No. 2 is the gravity of the specific oils through out the area. The upper two pays produce from a sand within the Yates and the third a dolomite within the Yates. The nature of the different types of reservoir rock probably effects the large range of gravity which the wells produce. Most wells that have logs show correlation with the three zones presently producing.

Conclusions are that the Teas Pool production is entirely in the Yates formation. The three isolated pays are separated by impermeable strata. Due to apparent low pressure and completion practices, the reservoirs are not being harmed.

Q Do you have any recommendations that you care to make?

A Yes, sir. I recommend that the Teas Pool be designated as Yates production.

MR. YOST: I offer in evidence Commission's Exhibits 1 and 2.

MR. MACEY: Is there any objection to the introduction of these exhibits in evidence? If not, they will be received. Are there any questions of the witness? If not, he may be excused.

(Witness excused.)

MR. MACEY: Take the case under advisement.

STATE OF NEW MEXICO    }  
COUNTY OF BERNALILLO } ss.

I, MARGARET McCOSKEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 23rd day of December, 1954.

*Margaret McCoskey*  
Notary Public-Court Reporter

My Commission expires  
August 15, 1956.



BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO  
Hobbs, New Mexico  
October 20, 1954

IN THE MATTER OF:

CASE NO. 780 - Regular Hearing

TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**  
COURT REPORTERS  
ROOMS 105, 106, 107 EL CORTEZ BUILDING  
TELEPHONE 7-9546  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Hobbs, New Mexico  
October 20, 1954

IN THE MATTER OF:

The application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the extension of existing pools or the creation of new pools, and defining the vertical limits of existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations and extensions should not be made.

(a) Create a new pool in Lea County, New Mexico, classified as a gas pool for Ellenburger production, designated as the Monument-Ellenburger Pool described as:

Twp. 19 South, Rge. 36 East  
All of Section 36

and such other contiguous lands as may properly be included therein as supported by proper testimony and recommendations adduced at said hearing.

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, designated as the Baish-Abo Pool, and described as:

Twp. 17 South, Rge. 32 East  
S/2 Section 16;  
SE/4 of Section 17;  
E/2 of Section 20;  
all of Section 21

and such other contiguous lands as may properly be included therein as supported by proper testimony and recommendations adduced at said hearing.

(c) Extend the Dollarhide-Queen Pool boundary in Lea County, New Mexico, to include therein:

Case No. 780

Twp. 24 South, Rge. 38 East  
That portion of the south  
half of Section 33 lying  
within the State of New  
Mexico

and such other lands contiguous to said  
pool as may properly be included there-  
in as supported by proper testimony and  
recommendations adduced at said hearing.)

(d) Extend the vertical limits of  
the Teas Pool to include all of the  
Yates and Seven Rivers formations.

(e) Extend the Justis Pool boundary  
in Lea County, New Mexico, to include  
therein:

Twp. 25 South, Rge. 37 East  
E/2 of Section 24

and such other lands contiguous to said  
pool as may properly be included there-  
in as supported by proper testimony and  
recommendations adduced at said hearing.)

BEFORE:

Honorable Edwin L. Mechem  
Mr. E. S. (Johnny) Walker  
Mr. William B. Macey

#### TRANSCRIPT OF HEARING

MR. MACEY: The next case on the docket is Case 780.

S. J. S T A N L E Y ,

called as a witness, having been first duly sworn, testified as  
follows:

#### DIRECT EXAMINATION

By MR. KITTS:

Q Will you state your name, please?

A S. J. Stanley.

Q What is your position?

A Engineer for the Oil Conservation Commission.

Q Mr. Stanley, are you familiar with Case 780, Southeast New



Mexico nomenclature case?

A I am.

Q In connection with your preparation and study of this case, have you prepared certain exhibits?

(Marked Commission's Exhibits A, B, C, and E, for identification.)

A Yes, sir, I have.

Q Are they marked?

A Yes, sir.

Q Exhibits 1 through --

A (Interrupting) They are marked A, B, C, and E.

Q Those were prepared by you?

A Yes, sir.

Q Will you discuss those exhibits, Mr. Stanley, and make your recommendations to the Commission?

A Yes, sir. The Case 780, I recommend that the creation and extensions be made as advertised with the following exceptions. I recommend that in Case 780 -B, that the advertisement and the creation of the new pool for production from the Yarborough, designated as the Baish-Abo Pool be changed to read the Maljamar-Abo Pool for better clarification with respect to geographical conditions of that particular area.

In case 780, Paragraph D, I recommend that that paragraph be postponed until the following month, for further study. That pertains to the extension of the vertical limits of the test pool to include all of the Yates and Seven Rivers formations. In the creation of a new pool from the Monument-Ellenburger Gas Pool, the depth of the casing shoe is 9785 and the creation of the new pool

for the Maljamar-Abo Pool, the top of the perforations are 8,980. In support of my testimony I would like to present Exhibits A, B, C and E in Case 780.

MR. KITTS: We offer those exhibits in evidence.

MR. MACEY: Is there objection to the production of these exhibits in Case 780? If not they will be received in evidence.

Mr. Stanley, as I understand it, the 'portion D' of the advertised case pertaining to the Teas Pool you want to postpone it until November?

A Yes, sir.

MR. MACEY: Continue that portion of the case until November?

A Continue it.

MR. MACEY: Are you sure that you can get it all resolved by November?

A I believe that we can.

MR. MACEY: In that event we will take the case under advisement and continue the apportioned of Case 780 to the November hearing.

(Witness excused.)

MR. MACEY: The hearing is adjourned.

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

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Hobbs, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 9th day of November, 1954.

My Commission Expires:  
June 19, 1955

*Ada Dearnley*  
Notary Public, Court Reporter

ADA DEARNLEY & ASSOCIATES  
STENOTYPE REPORTERS  
ALBUQUERQUE, NEW MEXICO  
TELEPHONE 3-6691

BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. \_\_\_\_\_

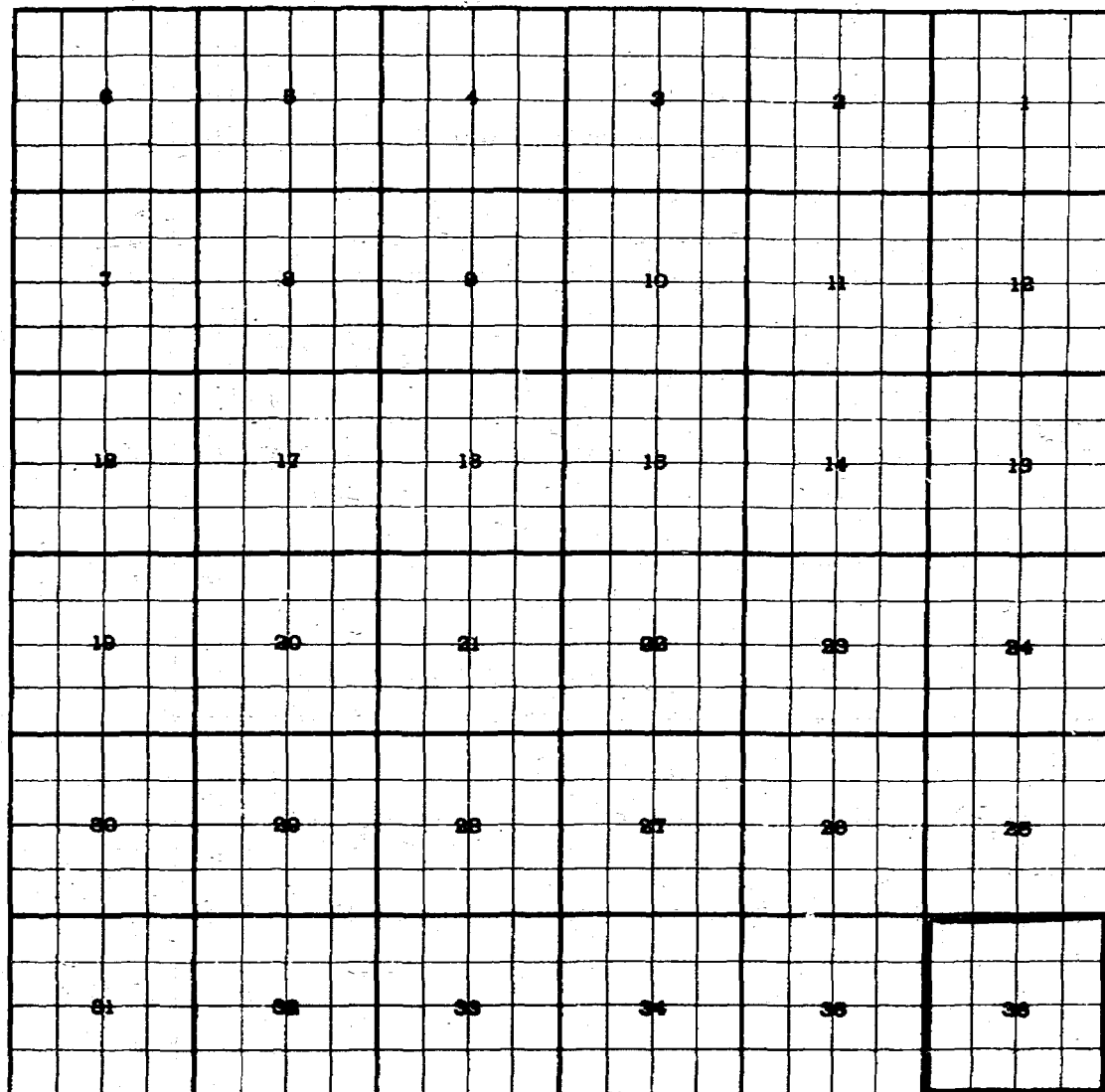
TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**  
COURT REPORTERS  
ROOMS 105, 106, 107 EL CORTEZ BUILDING  
TELEPHONE 7-9546  
ALBUQUERQUE, NEW MEXICO

Case 780 (a) Creation of a new pool- Monument-Ellenburger-Gas

County LEA Pool MONUMENT-ELLENBURGER

TOWNSHIP 19 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Depth Range 9-10 Producing Formation-Ellenburger

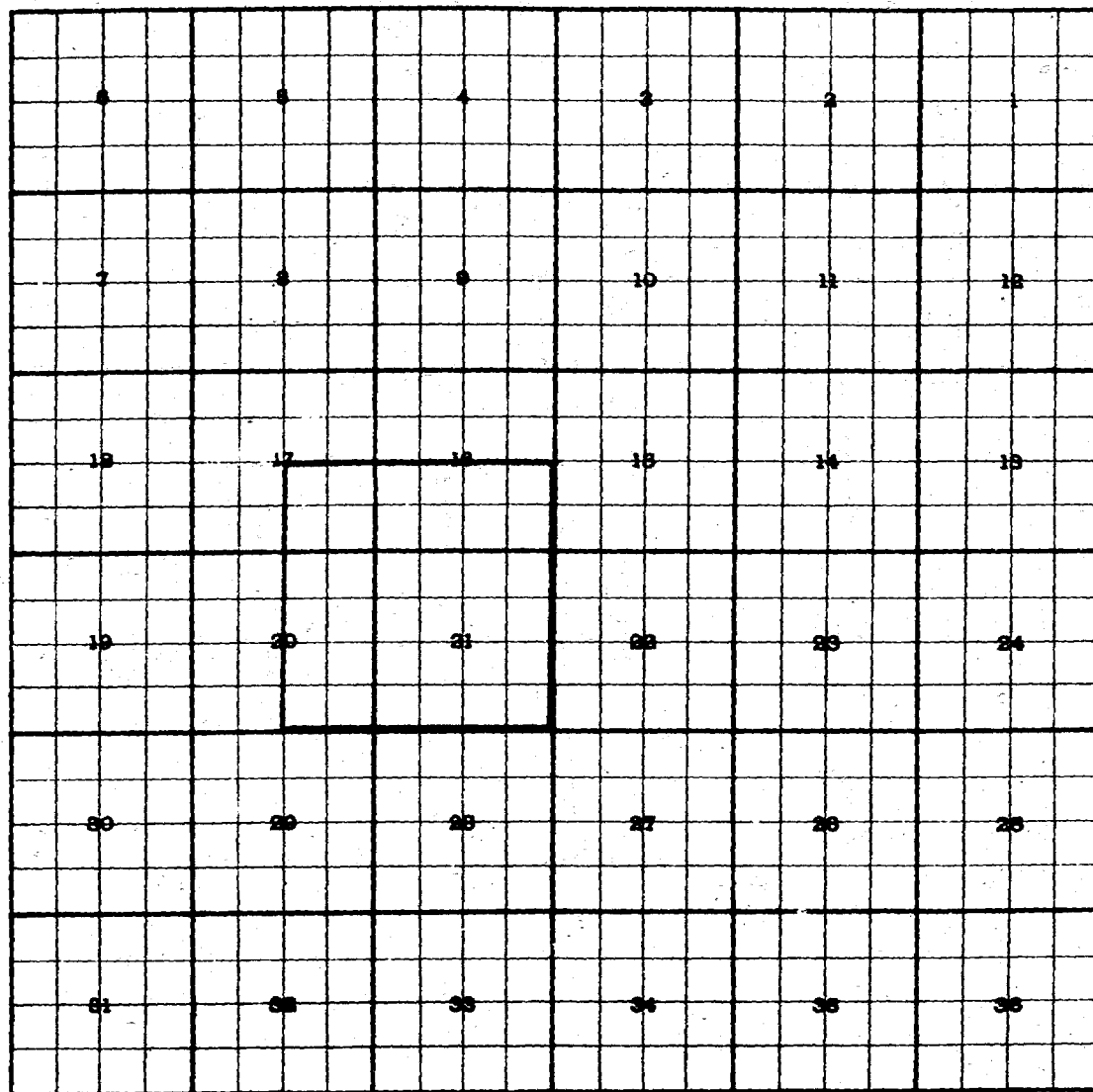
Purpose: To create a new gas pool for Ellenburger gas production to include  
the Gulf Oil Corp.'s Graham-State "F" #5-E in Unit P of Section 36-19S-36E  
producing from the Ellenburger dcs. 9785, completed for Ellenburger  
gas 8-13-54

Proposed Boundary: Colored in Red-All of Section 36

Case 780 (b) Creation of a new pool for Abo production

County LEA Pool MALJAKAR-ABO

TOWNSHIP 17 South, RANGE 32 East, NEW MEXICO PRINCIPAL MERIDIAN



Depth Range 8-9 Producing Formation -Abo

Purpose: To create a new pool to include Buffalo Oil Co.'s M. E. Baish "A" #25  
recompletion to the Abo, in Unit F of Section 21-17S-32E, t.p.

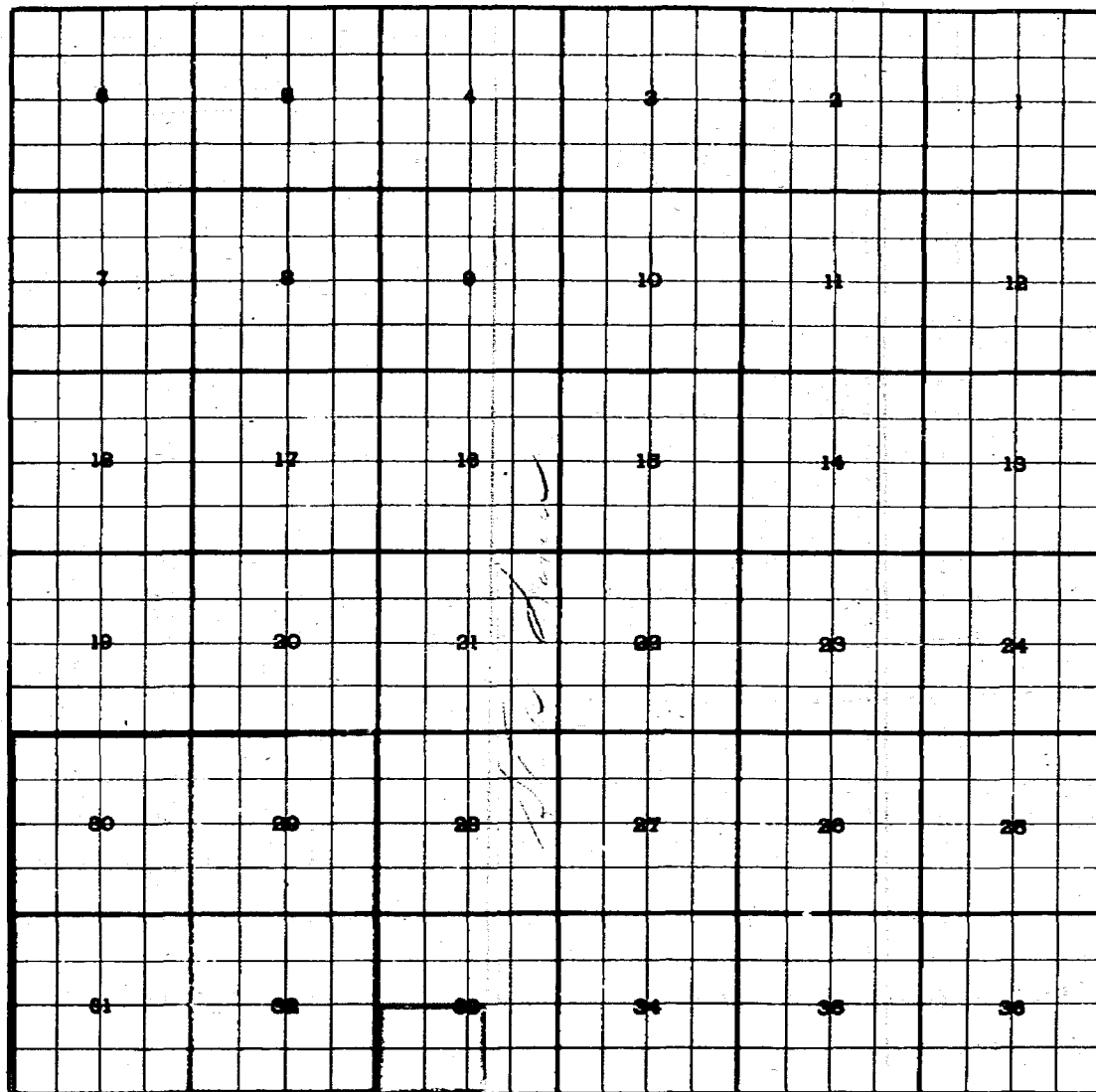
8980-completed for the Abo Sept. 1, 1954

Proposed Boundary: Colored in Red: S/2 Sec. 16; SE/4 Sec. 17; E/2 Sec. 20; all of  
Sec. 21

Case 780 (c) Extension of an existing pool

County LEA Pool DOLLARHIDE QUEEN

TOWNSHIP 24 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN



Depth Range 0-5 Producing Formation-Queen

Purpose-To include Gulf Oil Corp. Harry Leonard "A" #38 in Unit M of Section 33-24S-38E producing from the Queen and comp. 8-26-54 dcs. 3604

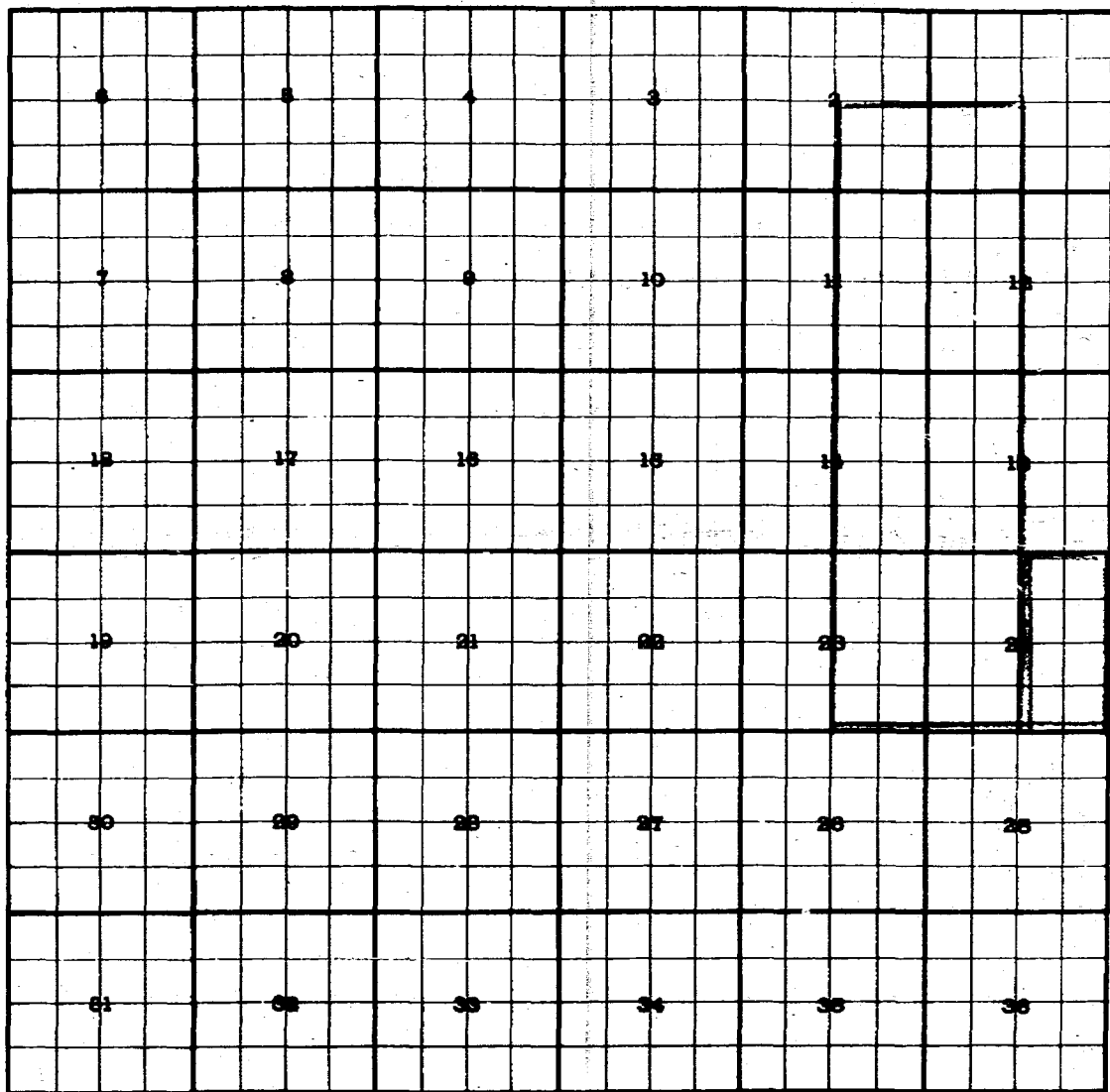
Existing Boundary: Colored in Red

Proposed Extension: Colored In Green That portion of the S/2 of Section 33 lying within the state of New Mexico

Case 780 (e) Extension of the Justis Gas Pool

County LEA Pool JUSTIS

TOWNSHIP 25 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



Depth Range

Producing Formation: Glorietta

Purpose: To include areas found to be productive, by new geological findings

Existing Boundry: Colored in Red

Proposed Extension: Colored in Green E/2 Sec. 24

OIL CONSERVATION COMMISSION  
HOBBS, NEW MEXICO

Case 780

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the extension of existing pools or the creation of new pools, and defining the vertical limits of existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations and extensions should not be made.

(a) Create a new pool in Lea County, New Mexico, classified as a gas pool for Ellenburger production, designated as the Monument-Ellenburger Pool and described as:

Twp. 19 South, Rge. 36 East

All of Section 36

and such other lands contiguous etc.

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, designated as the Baisn-Abo and described as:

Twp. 17 South, Rge. 32 East

S/2 of Section 16

SE/4 of Section 17

E/2 of Section 20

All of Section 21

and such other lands contiguous etc.

(c) Extend the Dollarhide-Queen Pool boundary in Lea County, New Mexico, to include therein:

Twp. 24 South, Rge. 38 East

Section 33-all the S/2 that lies within the State of New Mexico

and such other lands contiguous etc.

(d) Extend the vertical limits of the Teas Pool to include all of the Yates and Seven Rivers formations.

(e) Extend the Justis Pool boundary in Lea County, New Mexico to include therein:

Twp. 25 South, Rge. 37 East

E/2 of Section 24

and such other lands contiguous etc.

C  
O  
P  
Y