

Case No.

599

Application, Transcript,
Small Exhibits, Etc.

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. 599
Order No. R-386-A

THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN
ORDER CALLING FOR THE EXTENSION OF
EXISTING POOLS AND THE CREATION OF NEW
POOLS IN LEA COUNTY, NEW MEXICO:
SPECIFICALLY, FOR CONSIDERATION OF
SECTION 'A' THEREOF, DEFERRED FROM
OCTOBER 15, 1953, HEARING.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a. m. on October 15, 1953, and on January 20, 1954, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 17th day of March, 1954, the Commission, a quorum being present, having considered the testimony adduced, including the results of an engineering staff study, and being otherwise 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 when other aspects of Case No. 599 were considered and acted upon after the October 15, 1953, ^{hearing} creation of the East Hobbs-Seven Rivers Oil Pool was deferred pending the outcome of a Commission study of bottom-hole pressure surveys in the area to determine the true nature of the reservoir.

(3) That studies of gas-oil ratio and bottom-hole pressure tests indicate that in the East Hobbs Pool there exists a clearly defined Seven Rivers pay section, as distinguished from the East Hobbs-San Andres pay previously classified, defined and described, and that therefore creation of a separate pool is indicated, to include:

Twp. 18 South, Range 35 East, NMPM
All of Section 25

IT IS THEREFORE ORDERED:

That a new pool be created in Lea County, New Mexico, classified as an oil pool for Seven Rivers production, designated as the East Hobbs-Seven Rivers Pool, and described as:

Twp. 18 South, Range 38 East, NMPM
All of Section 25

Case No. 599
Order No. R-386-A

(Creation of this pool is based upon Hardin-Houston's discovery well C. A. Taylor No. 1, NE/4 SW/4 Section 25, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, completed on August 17, 1953, producing from the Seven Rivers formation with casing perforations 3852-3866 feet.)

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



R. R. SPURRIER, Member and Secretary

S E A L

599

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 the pool and extension of existing pools in Lee County, New Mexico, and giving notice to all persons and parties interested in the same, that the oil and gas in the oil and gas bearing strata underlying the land described in the following

(a) Extend the boundary of the oil pool for Seven Rivers production, situated in the Township of Seven Rivers pool and described as:

Twp. 144, Rge. 24E, N27W
All of Section 27

(b) Extend the Crossroads pool boundary in Lee County, New Mexico to include therein:

Twp. 5E, Rge. 24E, N27W
3/2 of Section 28

(c) Extend the Denton-Holcomb pool boundary in Lee County, New Mexico to include therein:

Twp. 143, Rge. 27E, N27W
N/2 of Section 26
All of Section 26

Twp. 15E, Rge. 27E, N27W
E/2 of Section 10

(d) Extend the Lovington-Faddock pool boundary in Lee County, New Mexico to include therein:

Twp. 16S, Rge. 26E, N27W
3/2 of Section 25

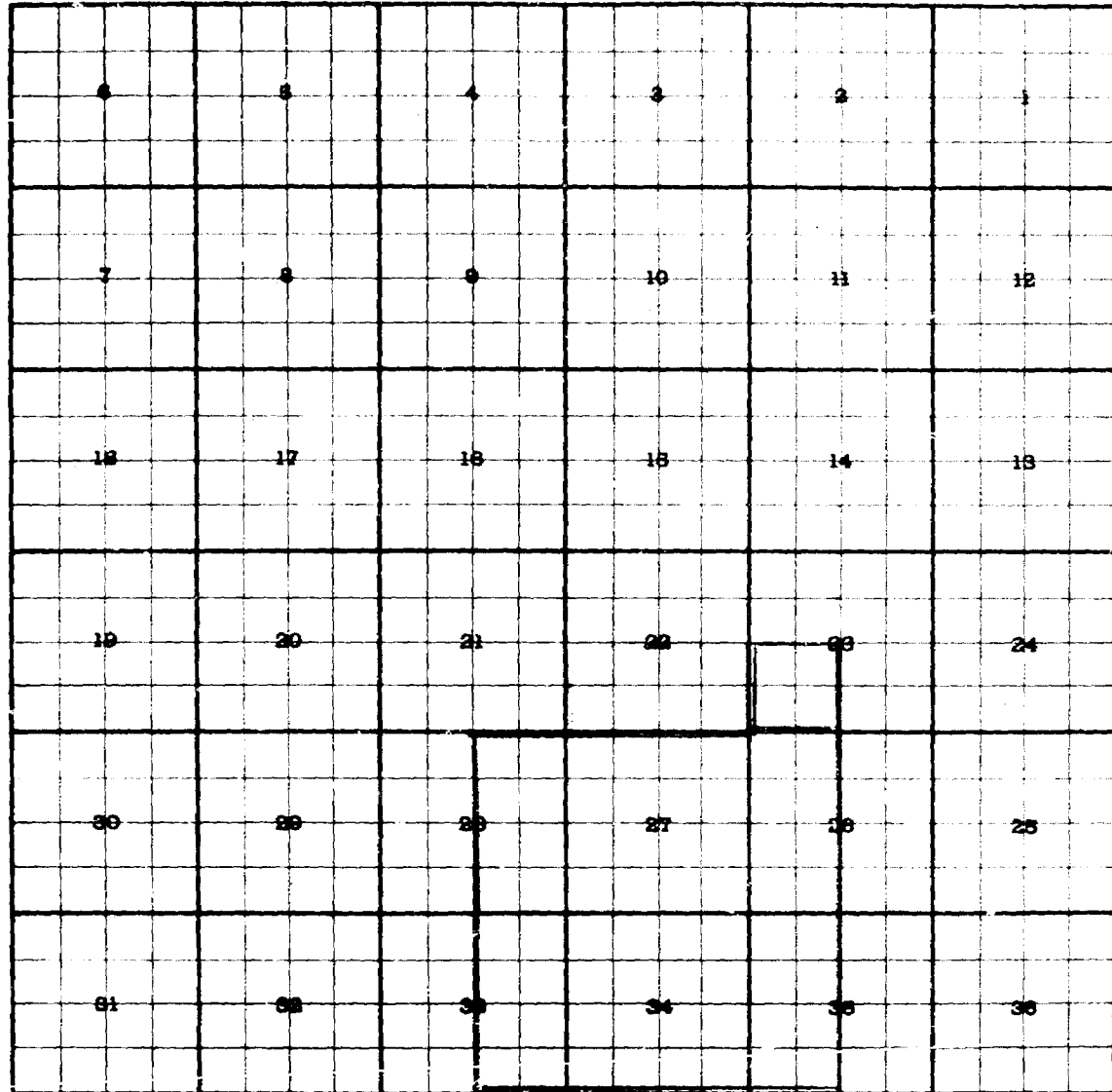
(e) Extend the Lynch pool boundary in Lee County, New Mexico to include therein:

Twp. 20S, Rge. 24E
E/2 of Section 35

Case 599 (b)

County Lieu Pool Crossroads

TOWNSHIP 9 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Silurian-Devonian, D.P. 12,000-13,000

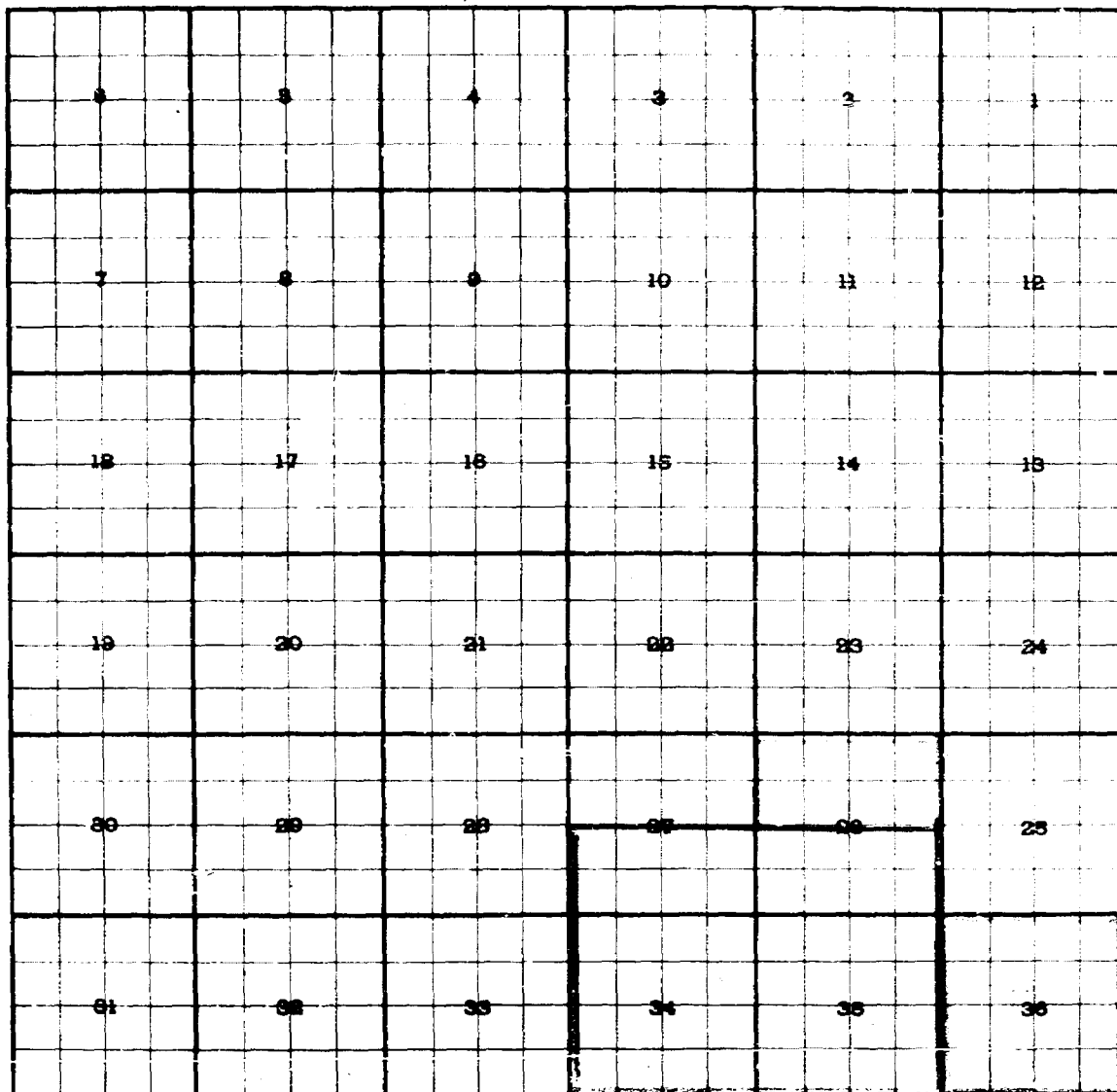
Purpose: To include Magnolia Petroleum Co. Santa Fe
Pacific "D" #2, Unit "O" Sec. 22, T9S, R36 E

Existing Boundary - Colored in Red
Proposed Extension - Colored in Green

Case 599(c)

County Lea Pool Denton-Wolfcamp

TOWNSHIP 14 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Wolfcamp - D.R. 9000-10,000
Purpose: To include Shell Oil Co. Pacific Royalty #2, Unit 1
Sec 10 - T14S - R37E & Sinclair Oil & Gas Co. - T.D. Pope
#3, Unit M, Sec 36 - T14S - R37E

Existing Boundary of T14S, R37E - Colored in Red
Proposed Extension - Colored in Green

See Attached

Case 599(c)

County Lea Pool Denton-Wolfcamp

TOWNSHIP 15 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN

3	4	5	6	7	8
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Case 599(d)

County Lea Pool Livington - Paddock

TOWNSHIP 16 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN

6	8	4	3	2	1
7	8	9	10	11	12
13	17	18	18	14	13
19	20	21	22	23	24
25	26	25	27	28	29
31	32	33	34	35	36

Producing Formation - Paddock, D.R. - 6000 - 7000
Purpose: To include Skelly Oil Co, Mexico "C" #2, Unit P,
Sec. 25-16-36

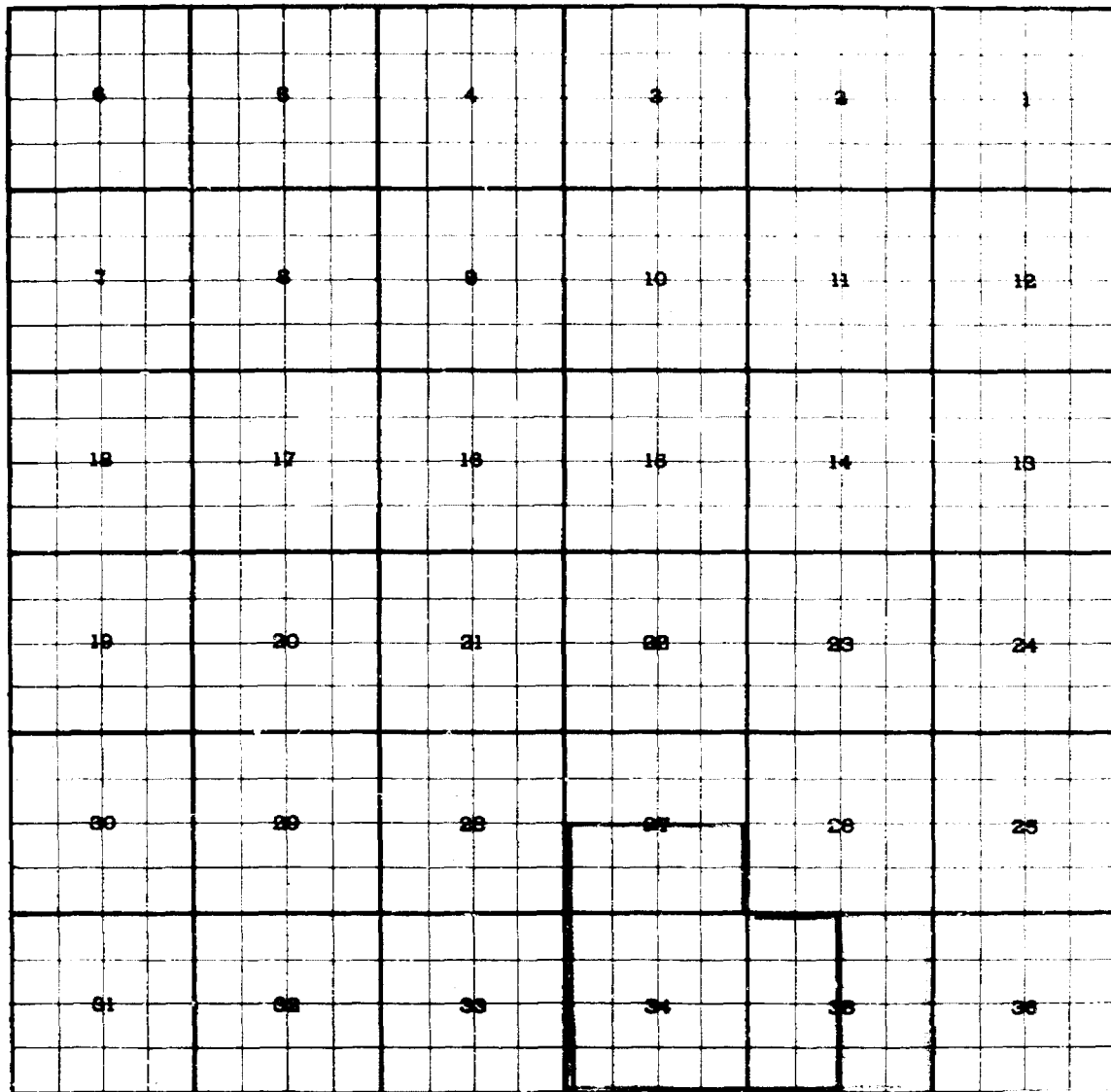
Existing Boundary - (T16S, R. 36E) - Colored in red
Proposed Extension - Colored in green

Case 599 (e)

County Lea

Pool Lynch

TOWNSHIP 20 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Yates D.R. 0-5000

Purpose: To include Phillips Petroleum Co., Neal #1

Unit J, Sec. 35-T20S-R34E

Existing Boundary (T20S, R34E) - Colored in Red

Proposed Extension: Colored in Green

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OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

CASE 599: In the matter of the application of the Oil Conservation Commission upon its own motion for the creation of new pools and extension 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 extensions and creations should not be made.

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Seven Rivers production, designated as the East Hobbs-Seven Rivers Pool, and described as:

Township 18 S, Range 36 E
All of Section 25

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

(b) Extend the Crossroads Pool boundary in Lea County, to include therein:

Township 9 S, Range 36 E
S/2 Section 22

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

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

Township 14 S, Range 37 E
N/2 Sect. 26; all Sect. 36

Township 15 S, Range 37 E
E/2 Section 10

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

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. 599
ORDER NO. R-386

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. October 15, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

Now, on this 10th day of November, 1953, the Commission, a quorum being present, having considered the testimony adduced at the 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 case and the subject matter thereof.

(2) That creation of the East Hobbs-Seven Rivers Oil Pool for Seven Rivers production, advertised to encompass all of Section 25, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, should be delayed pending the outcome of a Commission study of bottom-hole pressure surveys in the area to determine the true nature of the reservoir.

(3) That extensions of the Crossroads, Denton-Wolfcamp, Lovington-Paddock and Lynch Oil Pools should be effected as advertised.

IT IS THEREFORE ORDERED:

(1) That Paragraph 'a' of Case 599, as advertised and placed on the docket for the October 15, 1953, hearing, be given future consideration after the Commission has considered studies of reservoir data in the area related to Section 25, Township 18 South, Range 38 East, NMPM, the area designated as the limit of the projected East Hobbs-Seven Rivers Oil Pool.

(2) That the Crossroads Pool boundary in Lea County, New Mexico, as heretofore classified, defined and described, be extended to include the following:

Township 9 South, Range 36 East, NMPM
S/2 Section 22

(3) That the Denton-Wolfcamp Pool boundary in Lea County, New Mexico, as heretofore classified, defined and described, be extended to include the following:

Township 14 South, Range 37 East, NMPM
N/2 Section 26; all Section 36

Township 15 South, Range 37 East, NMPM
E/2 Section 10

(4) That the Lovington-Paddock Pool boundary in Lea County, New Mexico, as heretofore classified, defined and described, be extended to include the following:

Township 16 South, Range 36 East, NMPM
S/2 Section 25

(5) That the Lynch Pool boundary in Lea County, New Mexico, as heretofore classified, defined and described, be extended to include the following:

Township 20 South, Range 34 East, NMPM
E/2 Section 35

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


Edwin L. Mechem, Chairman


E. S. Walker, Member


R. R. Spurrier, Secretary and Member

S E A L

REPORTER
OF THE COMMISSION OF OIL CONSERVATION
NEW MEXICO, 1931-1933

January 20, 1934

In the Matter of:

Section (a) of the southeastern New Mexico nomenclature case was continued from October 15 to permit study of bottom-hole pressure surveys. It involves creation of the East-Hobbs-Seven Rivers Pool for Seven Rivers production, to include all of section 25, Township 18 South, Range 38 East.

Case No. 599

(Notice of Publication read by Mr. Graham).

S. J. STANLEY

having been first duly sworn, testified as follows:

DIRECT EXAMINATION

By Mr. GRAHAM:

Q State your name and position.

A My name is S. J. Stanley, Engineer for the Oil Conservation Commission of New Mexico.

Q You have certain maps and plats and material there with which to testify in your own way in this case?

A I do. By request of this Commission I have compiled certain engineering data pertaining to the East Hobbs San Andres Pool. The purpose for this request was to better acquaint the Commission with various formations penetrated in the East Hobbs area and to also define a well which was placed on the undesignated status, namely the Hardin-Houston-Taylor No. 1, located in Section 25 Range 38 East, Township 18 South. It was requested that this well be placed on the

ADA DEARNLEY & ASSOCIATES
COURT REPORTERS
ROOM 105-106, EL CORTEZ BLDG.
PHONES 7-9645 AND 5-9846
ALBUQUERQUE, NEW MEXICO

undesignated list until such time as the Commission could take an investigation and place the category as an operator had requested that it produced from the Seven Rivers pay. Therefore, I have here what is marked first of all Exhibit No. 1, and it serves as a key map for the East Hobbs San Andres Pool. The East Hobbs Field has twenty-three San Andres oil wells and one undesignated Seven Rivers well. The red line is the direction of a cross section which will be shown in Exhibit No. 3. Also the key map serves as a gas-oil ratio map which was taken by request of the Director of the Commission, who in November, 1953, requested that the operators conduct a gas-oil ratio survey in the area, a bottom hole pressure survey, as exhibited in Exhibit No. 2, and other information which was necessary for the Commission to definitely establish that a Seven Rivers pay existed in that particular field. Now, referring to Exhibit No. 1, which is the gas-oil ratio map we see that the San Andres Field has an average ratio of approximately four hundred to one, it is characterized by very under saturated oil, and in comparison to the undesignated well, namely the Hardin-Houston-Taylor No. 1, we see that it has a gas-oil ratio of eighteen hundred to sixteen hundred to one. The two different producing horizons have the similar gas-oil ratios and their flowing characteristics are different. We have in Exhibit No. 2 conducted a bottom hole pressure survey, which was projected on a datum of minus two hundred and when you compare the bottom hole pressures of the Hardin-Houston-Taylor No. 1 we see that it is one thousand four hundred sixteen pounds, as compared to the average bottom hole pressure of the San Andres Field projected to minus two hundred at approximately eleven hundred pounds. Actually in the East Hobbs San Andres Field we

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PHONES 7-9645 AND 3-9546
ALBUQUERQUE, NEW MEXICO

to have a lot in the vicinity of the Vierson Oil Company Lease and a secondary high on the east flank of the field. But still there is a differential pressure there between the two distinct formations of approximately three hundred zero and ten feet.

In Exhibit No. 3 I have compiled a cross section as shown on the key map in Exhibit No. 1, and have found through ratio active log studies that we have had some very clear defined points ^{the} on/ tops of certain producing formations, namely the Yates, secondly the top of the Seven Rivers is not very clear, which is the general characteristic throughout Lea County. However, the Seven Rivers pay and this Hardin-Houston Well occurred from approximately 3850 to total depth of 3875. Whereas, as is shown here the much deeper penetration in the San Andres Field, which occurs at around 1500 feet. I thought we had established good correlation across the field and it is very interesting to note that one operator has drill stem tested a well, namely the Vierson-Laney No. 2, also in the Seven Rivers pay, but continued and elected to produce this well by drilling deeper and producing from the San Andres Field. At that particular time he had received commercial production and I believe it was in the neighborhood of a flow of fifty barrels an hour from the Seven Rivers pay. We also had another drill stem test by Morris Intwell on their Davis No. 1, located in the Section 29, Township 18 South, Range 39 East, and the operator had chosen to test the top of the Queen. ^{The} He drill stem tested from 3917 to 3971, ^{Tool} the ~~tube~~ was open one and one half hours and recovered three hundred ACF of gas per day. He did not test the Seven Rivers pay section in this particular well. Therefore, based on the evidence available to me the gas-oil ratio map, the bottom hole

pressure map and a cross-section map. I recommend the location of the East Hobbs-Seven Rivers lay to incorporate the southeast quarter of section 25, Township 15 South, Range 15 East.

MR. SPURRIER: Are there any questions of the witness? If not the witness may be excused. Is there any further content in this case? Would you like to introduce the exhibits?

MR. STARKLEY: Yes, sir, I would like to introduce the exhibits in support of my testimony.

MR. SPURRIER: Without objection the exhibits will be admitted. We will take the case under advisement and have on to Case 571.

STATE OF NEW MEXICO)
)
COUNTY OF BERNALILLO)

I HEREBY CERTIFY that the foregoing and attached transcript of hearing in Case No. 599 before the Oil Conservation Commission, State of New Mexico, at Santa Fe, on January 20, 1951, is a true and correct record of the same to the best of my knowledge, skill and ability.

DATED at Albuquerque, New Mexico, this 25th day of January, 1951.

Ada Dearnley
REPORTER

ADA DEARNLEY & ASSOCIATES
COURT REPORTERS
ROOM 105-106, EL CORTEZ BLDG.
PHONES 7-9645 AND 8-9546
ALBUQUERQUE, NEW MEXICO

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

TRANSCRIPT OF PROCEEDINGS

CASE NO. 599

January 20, 1954
Regular Hearing

ADA DEARNLEY & ASSOCIATES
COURT REPORTERS
ROOM 105-106, EL CORTEZ BLDG.
PHONES 7-9645 AND 5-8546
ALBUQUERQUE, NEW MEXICO

(d) Extend the Lovington-Paddock Pool boundary in Lea County, New Mexico, to include therein:

Township 16 S, Range 36 E
S/2 Section 25

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

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

Township 20 S, Range 34 E
E/2 Section 35

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

TRANSCRIPT OF HEARING
OCTOBER 15th, 1953

BEFORE: Honorable Ed. L. Mechem, Governor
Honorable E. S. Walker, Land Commissioner
Honorable R. R. Spurrer, Director, OCC

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I HEREBY CERTIFY that the aith transcript of proceedings before the Oil Conservation Commission, is a true record of the same to the best of my knowledge, skill and ability.

DONE at Santa Fe, N. M., this 17th day of October, 1953.

Maryann C. Allan
Reporter

SWORN TO before me this 17th day of October, 1953.

W. J. Johnson
Notary Public

My Commission Expires:

My Commission Expires January 24 1954

CASE 599:

In the matter of the application of the Oil Conservation Commission upon its own motion for the creation of new pools and extension 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 extensions and creations should not be made.

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Seven Rivers production, designated as the East Hobbs-Seven Rivers Pool, and described as:

Township 18 S, Range 38 E
All of Section 25

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

(b) Extend the Crossroads Pool boundary in Lea County, to include therein:

Township 9 S, Range 36 E
S/2 Section 22

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

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

Township 14 S, Range 37 E
N/2 Sect. 26; all Sect. 36

Township 15 S, Range 37 E
E/2 Section 10

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

(d) Extend the Lovington-Paddock Pool boundary in Lea County, New Mexico, to include therein:

Township 16 S, Range 36 E
S/2 Section 25

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

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

Township 20 S, Range 34 E
E/2 Section 35

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

JOE STANLEY: My name is Joe Stanley and I am Engineer for the Oil Conservation Commission.

MR. WHITE: You have been requested to make a study of new pools and the extension of existing pools?

MR. STANLEY: I have in all cases except (a)

MR. WHITE: What are your recommendations and conclusions?

MR. STANLEY: I recommend in (a) that the Oil Conservation Commission notify **operators** in connection with Hobbs-Seven Rivers to continue bottom hole surveys and also the Commission contemplates electric log data and other geological information to study the problem to determine whether or not Seven Rivers is a different producing area than San Andreas. It will be very important down the road at a future date.

For the balance of the advertisement I recommend that they be accepted as advertised and I would like to present exhibits and plats to support my testimony.

COM. SPURRIER: Is there any objection to Mr. Stanley's recommendations?

Q (By someone in audience): What bottom hole survey? On what?

A (By Mr. Stanley) Sixteen or twenty wells.

Q You are talking about East Hobbs-San Andres and you want to take these flowing wells?

A Plus Seven Rivers wells. I feel we may have some bottom hole surveys but, in a case of this type, it is impossible to correlate and these should be done at approximately the same time and recorded at approximately the same time to give good correlation. I, too, feel the operators themselves could arrange to take their own pressures and they are urged to do so by the Director of the Commission.

COM. SPURRIER: Any further question of the witness?

MR. MACEY: You have to write an order to take bottom hole pressures when it is not a case. I agree with Mr. Stanley as far as to the advisability of finding out as to what the producing zone is.

MR. STANLEY: By electric log analyses, similar to Falby-Yates pool, I, too, feel it is important that we study this field and it will save embarrassment down the road.

MR. MACEY: At the end of the survey, you will want to advertise what you have found out.

COM. SPURRIER: Any further question? If no further questions, Case 599 will be taken under advisement.

Case 599

NEW MEXICO
OIL CONSERVATION COMMISSION
Hobbs, New Mexico
November 4, 1953

NOV 9 1953

To:

Morris Antweil, Box 1058, Hobbs, New Mexico
Aurora Gasoline Company, 124 McClintic Bldg, Midland, Texas
C. U. Bay, Box 216, Seminole, Texas
Gulf Oil Corporation, Box 2167, Hobbs, New Mexico
Humble Oil & Refining Company, Box 2347, Hobbs, New Mexico
The Texas Company, Box 1270, Midland, Texas
Velma Petroleum Corporation, Box 1955, Hobbs, New Mexico
Sam K. Viersen, Box 280, Okmulgee, Oklahoma
Hardin-Houston, Hobbs, New Mexico

Gentlemen:

In compliance with Mr. R. R. Spurrier's directive (Secretary and Director of the New Mexico Oil Conservation Commission) dated October 23, 1953, you are requested to run bottom-hole-pressures on the wells of the East Hobbs San Andres Pool as outline on the attached schedule.

The date of the survey is scheduled for November 18, 1953 and the results of the survey will be submitted to the New Mexico Oil Conservation Commission, Hobbs, New Mexico, not later than November 23, 1953.

In addition to the bottom-hole-pressure survey of the wells outlined the operator must submit a copy of an electric log for each well shown on the schedule.

Should a question arise pertaining to the survey or submission of electric log data please direct your inquiries to Mr. S. J. Stanley, Phone 3-4731, Hobbs, New Mexico.

Very truly yours,

S. J. Stanley
S. J. Stanley
Engineer

SJS:mb

EAST HOEBS - SAN ANDRES

BOTTOM-HOLE-PRESSURE SURVEY

Date of Survey - November 18, 1953

Date of Shut-In- November 17, 1953

Duration of Shut-In 24 hours

Datum -800 ft. S.S.*

OPERATOR	LEASE	WELL NO.	UNIT	S.T.R	ELEVATION	B.H.P. DEPTH
Morris Antweil	Davis	1	K	29-18-39	3600	4400
Aurora Gasoline Co.	Cain	1	L	30-18-39	3615	4415
		2	M	"	3610	4410
	Davis	1	O	29-18-39	3594	4394
C. U. Bay	Reese	1	I	30-18-39	3618	4418
	Lowe	1	C	32-18-39	3602	4402
	Davis	1	N	29-18-39	3607	4407
Gulf Oil		2	L		3597	4397
		3	M		3610	4410
		1	F	30-18-39	3615	4415
Humble Oil & Rfg.	Cain	2	K		3616	4416
		3	N		3610	4410
		1	H	30-18-39	3611	4411
Texas Co.	Ferguson	2	C		3610	4410
Velma Petroleum Co	Goode	1			3603	4403
		2	A		3610	4410
		3	C		3605	4405
Sam Viersen	Laney	1	J	30-18-39	3616	4416
		2	O		3610	4410
		3	P		3618	4418
Hardin-Houston	Taylor	1	K	25-18-38	3631	3831

*Hardin-Houston Taylor #1 datum is -200 S.S.

A bottom-hole-pressure gradient should be obtained on each well to correct or project pressures.

All bottom-hole-pressures will be reported on Form C-124.

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:

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

CASE NO. 599
ORDER NO. R-386

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. October 15, 1953, ~~at~~ at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

Now, on this day of November, 1953, the Commission, a quorum being present, having considered the testimony adduced at the 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 case and the subject matter thereof.

(2) That creation of the East Hobbs-^{Seven Rivers} San Andres Oil Pool for ^{Seven Rivers} San Andres production, advertised to encompass all of Section 25, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, should be delayed pending the outcome of a Commission study of bottom-hole pressure surveys in the area to determine the true nature of the reservoir.

(3) That extensions of the Crossroads, Denton-Wolfcamp, Lovington-Paddock and Lynch Oil Pools should be effected as advertised.

IT IS THEREFORE ORDERED:

(1) That Paragraph (a) of Case 599 as advertised and placed on the docket for the October 15, 1953, hearing, be given future consideration after the Commission has considered studies of reservoir data in the area related to Section 25, Township 18 South, Range 38 East, the area designated as the projected limit of the East Hobbs-Seven Rivers Oil Pool.

(2) That the Crossroads Pool boundary in Lea County, New Mexico, ^{as heretofore classified, defined and described} be extended to include the following:

Township 9 South, Range 36 East, NMPM
S/2 Section 22

(3) That the Denton-Wolfcamp Pool boundary in Lea County, New Mexico, as heretofore classified, defined and described, be extended to include the following:

Township 14 South, Range 37 East, NMPM
N/2 Section 26; all Section 36

Township 15 South, Range 37 East, NMPM
E/2 Section 10

(4) That the Lovington-Paddock Pool boundary in Lea County, New Mexico, as heretofore classified, defined and described, be extended to include the following:

Township 16 South, Range 36 East, NMPM
S/2 Section 25

(5) That the Lynch Pool boundary in Lea County, New Mexico, as heretofore classified, defined and described, be extended to include the following:

Township 20 South, Range 34 East, NMPI
E/2 Section 35

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Edwin L. Mechem, Chairman

E. S. Walker, Member

S E A L

R. R. Spurrier, Member and Secretary

Case No.

600

Application, Transcript,
Small Exhibits, Etc.

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. 600
ORDER NO. R-387

THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN
ORDER CALLING FOR THE EXTENSION OF
CERTAIN EXISTING POOLS IN SAN JUAN AND
RIO ARriba COUNTIES, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. October 15, 1953,
at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico,
hereinafter referred to as the "Commission."

NOW, on this 10th day of November, 1953, the Commission, a
quorum being present, having considered the testimony adduced at the 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 case and the subject matter thereof.

(2) That extensions of the Blanco-Mesaverde, Aztec-Pictured Cliffs,
and West Kutz-Pictured Cliffs Gas Pools should be effected as advertised,
and as supported by testimony and evidence introduced in support thereof
at the October 15, 1953, hearing of the Commission.

IT IS THEREFORE ORDERED:

(1) That the Blanco-Mesaverde Pool boundary, as heretofore classified,
defined and described, be extended to include the following:

Township 29 North, Range 6 West, NMPM
Sections 19 - 36, incl., all

Township 30 North, Range 6 West, NMPM
Sections 23 and 24, all

Township 28 North, Range 6 West, NMPM
Partial Sections 7 thru 12, incl., all
Sections 13 thru 18, incl., all

Township 29 North, Range 7 West, NMPM
Sections 20 thru 29, incl., all;
Sections 32 thru 36, incl., all

(2) That the Aztec-Pictured Cliffs Pool boundary, as heretofore
classified, defined and described, should be extended to include the fol-
lowing:

Township 29 North, Range 10 West, NMPM
Section 3, all

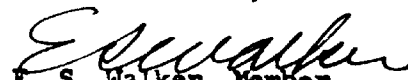
(3) That the West Kutz-Pictured Cliffs Pool boundary, as heretofore classified, defined and described, should be extended to include the following:

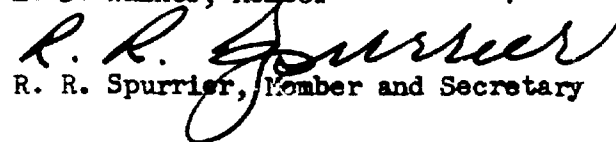
Township 28 North, Range 13 West, NMFM
N/2 Section 24

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


Edwin L. Mechem, Chairman


E. S. Walker, Member


R. R. Spurrier, Member and Secretary

S E A L

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. 600
ORDER NO. R-387

THE APPLICATION OF THE COMMISSION
UPON ITS OWN MOTION FOR AN ORDER CALLING
FOR THE EXTENSION OF CERTAIN EXISTING POOLS
IN SAN JUAN AND RIO ARRIBA COUNTIES, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. October 15, 1953,
at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico,
hereinafter referred to as the "Commission."

NOW, on this day of November, 1953, the Commission, a
quorum being present, having considered the testimony adduced at the 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 case and the subject matter thereof.
- (2) That extensions of the Blanco-Mesaverde, Aztec-Pictured Cliffs
and West Kutz-Pictured Cliffs Gas Pools should be effected as advertised, and
as supported by testimony and evidence introduced in support thereof at the
October 15, 1953, hearing of the Commission.

IT IS THEREFORE ORDERED:

- (1) That the Blanco-Mesaverde Pool boundary, as heretofore classified,
defined and described, be extended to include the following:

Township 29 North, Range 6 West, NMPM
Sections 19 - 25, incl., all

Township 30 North, Range 6 West, NMPM
Sections 23 and 24, all

Township 28 North, Range 6 West, NMPM
Partial Sections 7 thru 12, incl., all;
Sections 13 thru 18, incl., all

Township 29 North, Range 7 West, NMPM
Sections 20 thru 29, incl., all;
Sections 32 thru 36, incl., all

- (2) That the Aztec-Pictured Cliffs Pool boundary, as heretofore classi-
fied, defined and described, should be extended to include the following:

Township 29 North, Range 10 West, NMPM
Section 3, all

- (3) That the West Kutz-Pictured Cliffs Pool boundary, as heretofore
classified, defined and described, should be extended to include the following:

Township 28 North, Range 13 West, NMPM
N/2 Section 24

DONE at Santa Fe, New Mexico, on the day and year herein ^{above} ~~indicated~~
designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

S E A L

USUAL CONCLUSION

Am 1/10

Ord. Noncon

ST 12A

RECOMMENDATIONS FOR POOL EXTENSIONS FOR OCTOBER, 1951. HEARING

Blanco - Mesaverde

- **Township 30N, Range 6 W.**
Sections 23 and 24, all, based on:

Phillips Petroleum #3-24 Mesaverde Unit 30-6, Sec. 24-30N-6W, 990 S & W
IP 2,630 MCF.
- **Township 29N, Range 6 W.**
Sections 19 through 36, inclusive, all.
- **Township 29N, Range 7 W.**
Sections 20 through 29 inclusive, all,
Sections 32 through 36 inclusive, all,
- **Township 28N, Range 6 W.**
Partial Sections 7 through 12 inclusive,
Sections 13 through 18 inclusive, all, based on:
 - (1) J. Glenn Turner #1 Lockhart, Sec. 21-29N-6W, 1650 S & W
IP 6640 MCF.
 - (2) Phillips Petroleum #1-14 San Juan Unit 28-6, Sec. 14-28N-6W, 990/ N & E.
IP 4,640 MCF.
 - (3) Shelly Oil Co. #1 J.F. Hickman, Sec. 17-28N-6W, 1500/W, 1650/E.
IP 4,640 MCF.
 - (4) Phillips Petroleum #3-25 San Juan Unit 29-6, Sec. 25-29N-6W, 1650/S, 795/W.
IP 2,250 MCF.

Artes - Pictured Cliffs.

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- **Township 29N, Range 10 W.**

Section 3, All, based on:

Southern Union #1 Hare, Sec. 3-29N-10W, 1650/N, 1450/E.
IP 648 MCF.

West Kutz- Pictured Cliffs

- **Township 28N, Range 13 W.**
Section 24, N/2, based on:
Benson & Martin #38 Gallegos Canyon Unit, Sec. 24-28N-13W, 1650/N, 735/E.
IP 1,230 MCF.

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BEFORE THE
OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CASE 600: In the matter of the application of the Oil Conservation Commission upon its own motion for the extension of existing pools in San Juan and Rio Arriba Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such extensions should not be made.

(a) Extend the Blanco-Mesaverde Pool boundary in San Juan and Rio Arriba Counties, New Mexico, to include:

Township 29 N, Range 6 W
Sects. 19 - 36, incl., all

Township 30 N, Range 6 W
Sects. 23 and 24, all

Township 28 N, Range 6 W
Partial sections 7 thru 12, incl., all;
Sects. 13 thru 18, incl., all

Township 29 North, Rge. 7 W
Sects. 20 thru 29, incl., all;
Sects. 32 thru 36, incl., all

(b) Extend the Aztec-Pictured Cliffs Pool boundary in San Juan County, New Mexico, to include:

Township 29 N, Range 10 W
Section 3, all

(c) Extend the West Kutz-Pictured Cliffs Pool boundary in San Juan County, New Mexico, to include:

Township 28 N, Range 13 W
N/2 Section 24

TRANSCRIPT OF HEARING
OCTOBER 15th, 1953

BEFORE: Honorable Ed. L. Mechem, Governor
Honorable E. S. Walker, Land Commissioner
Honorable R. R. Spurrier, Director, OCC

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

I HEREBY CERTIFY that the within transcript of proceedings before the Oil Conservation Commission is a true record of the same to the best of my knowledge, skill and ability.

DONE at Santa Fe, N. M., this 17th day of October, 1953.

Marjorie S. Allan
Reporter

SWORN TO before me this 17th day of October, 1953.

McGowan
Notary Public

My Commission Expires:

October 17, 1954

CASE 600:

In the matter of the application of the Oil Conservation Commission upon its own motion for the extension of existing pools in San Juan and Rio Arriba Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such extensions should not be made.

(a) Extend the Blanco-Mesaverde Pool boundary in San Juan and Rio Arriba Counties, New Mexico, to include:

Township 29 N, Range 6 W
Sects. 19 - 36, incl., all

Township 30 N, Range 6 W
Sects. 23 and 24, all

Township 28 N, Range 6 W
Partial sections 7 thru 12, incl., all;
Sects. 13 thru 18, incl., all

Township 29 North, Rge. 7 W
Sects. 20 thru 29, incl., all;
Sects. 32 thru 36, incl., all

(b) Extend the Aztec-Pictured Cliffs Pool boundary in San Juan County, New Mexico, to include:

Township 28 N, Range 13 W
N/2 Section 24

MR. UTZ: I am Elvin Utz, Engineer of the Oil Conservation Commission.

MR. WHITE: As Engineer of the Oil Conservation Commission have you had a request to make a proposed study of existing pools as advertised in Case 600?

MR. UTZ: Yes, I have.

MR. WHITE: Will you report to the Commission the results of your study and your conclusions and recommendations?

MR. UTZ: The extension as advertised and as given in the docket under Case 600, parts (a), (b) and (c), I recommend that these be included as pool extensions as advertised. I further offer Exhibit No. 1, a statement which gives ~~extensions~~ together with producing wells on which these extensions are based.

COM. SPURRIER: Is there any objection to Mr. Utz's recommendation? If not, the exhibit will be admitted.

(Whereupon Exhibit No. 1 was admitted in evidence.)

MR. UTZ: Thank you.

COM. SPURRIER: Please note here in the record that all exhibits in Cases 599 and 600 were received in evidence. The hearing will now adjourn.

(Thereupon, at 5:45 p.m. the hearing adjourned.)

RECOMMENDATIONS FOR POOL EXTENSIONS FOR OCTOBER, 1953, HEARING

Blanco - Mesaverde

Township 30N. Range 6 W.

Sections 23 and 24, all, based on:

Phillips Petroleum #3-24 Mesaverde Unit 30-6, Sec. 24-30N-6W, 990 S & W
IP 2,630 MCF.

Township 29N. Range 6 W.

Sections 19 through 36, inclusive, all.

Township 29N. Range 7 W.

Sections 20 through 29 inclusive, all,
Sections 32 through 36 inclusive, all,

Township 28N. Range 6 W.

Partial Sections 7 through 12 inclusive,
Sections 13 through 18 inclusive, all, based on:

- (1) J. Glenn Turner #1 Lockhart, Sec. 21-29N-6W, 1650 S & W
IP 6640 MCF.
- (2) Phillips Petroleum #1-14 San Juan Unit 28-6, Sec. 14-28N-6W, 990/ N & E.
IP 4,640 MCF.
- (3) Skelly Oil Co. #1 J.F. Hickman, Sec. 17-28N-6W, 1500/N, 1650/E.
IP 4,640 MCF.
- (4) Phillips Petroleum #3-25 San Juan Unit 29-6, Sec. 25-29N-6W, 1650/S, 795/W.
IP 2,250 MCF.

Aztec - Pictured Cliffs.

Township 29N. Range 10 W.

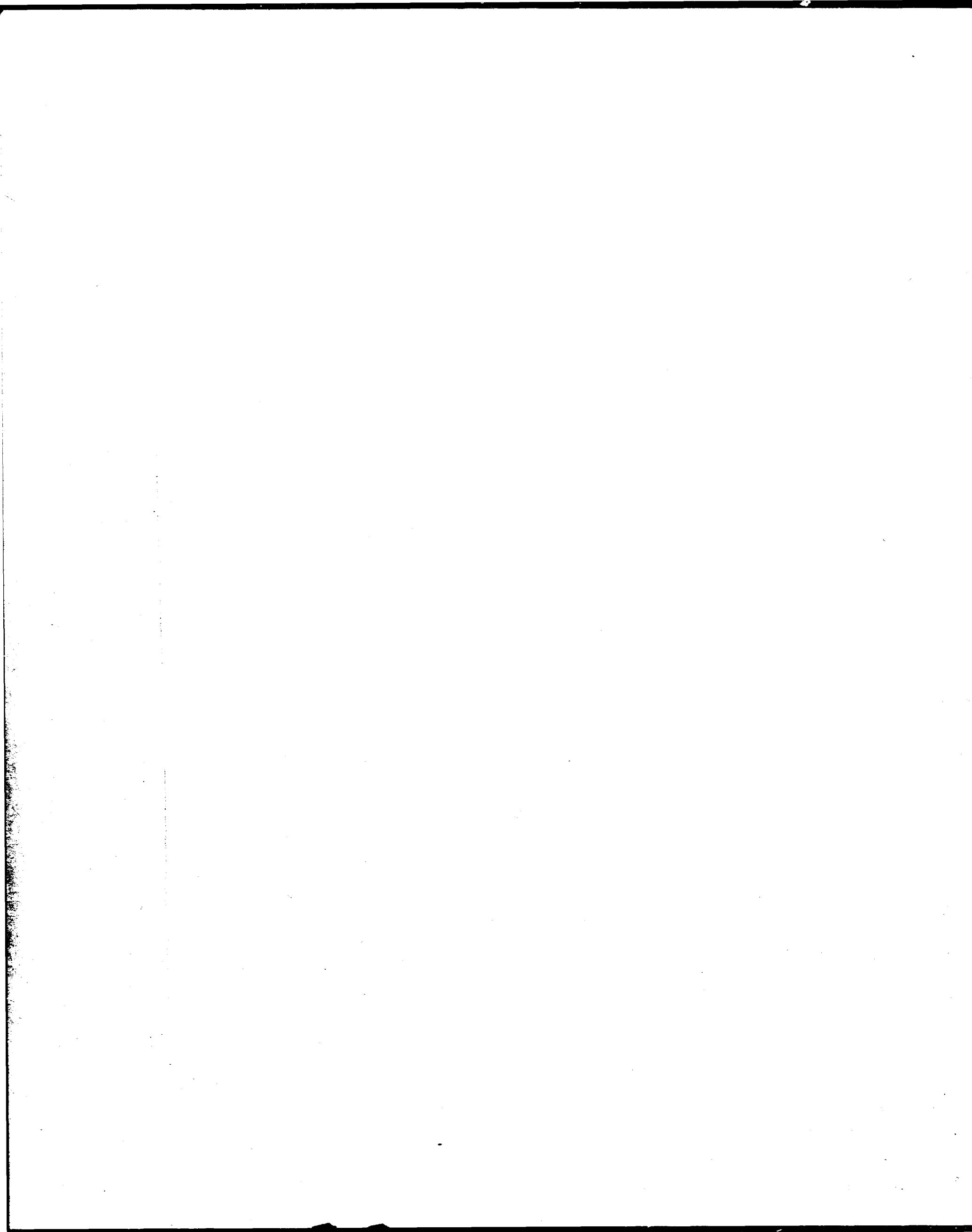
Section 3, All, based on:

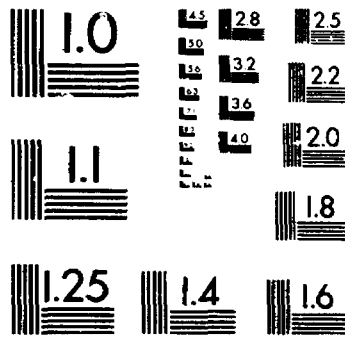
Southern Union #1 Hare, Sec. 3-29N-10W, 1650/N, 1450/E.
IP 648 MCF.

West Kutz - Pictured Cliffs

Township 28N. Range 13 W.

Section 24, N/2, based on:
Benson & Montin #38 Gallegos Canyon Unit, Sec. 24-28N-13W, 1650/N, 735/E.
IP 1,230 MCF.





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)

STATEMENT OF DOCUMENT CERTIFICATION

All microphotographics images of documents following this certificate are of authorized documents in the possession of this Agency. These documents are routinely microfilmed as a necessary operation in the generation of an inviolate document file.

R. David Ortiz
SUPERVISOR

STATE OF NEW MEXICO)
) SS.
COUNTY OF VALENCIA)

Sworn and Subscribed to me, A Notary Public,

This 1st day of December, 19 93

Lynda Aragon
NOTARY PUBLIC

MY COMMISSION EXPIRES: 10-2-86

CERTIFICATE OF AUTHENTICITY

THIS IS TO CERTIFY that the microphotographs appearing on this Roll of Film are accurate and complete reproductions of the records of the, New Mexico Dill Conservation Dill as delivered in the regular course of business for Micro Filming.

Joyce Horn
CAMERA OPERATOR