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OIL CONSERVATION COMMISSION

Lea Nomenclature Case for January  
HOBBS, NEW MEXICO

*156*  
*12/21*  
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*12/29*

Case 1198:

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the creation of new pools and the extension of existing pools in Lea, Chaves and Eddy Counties, 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 Eddy County, New Mexico, classified as an oil pool for San Andres production, designated as the Dayton-San Andres Pool, and described as:

Twp. 18 South, Range 26 East  
NE/4 of Section 35

and such other etc.

(B) Create a new pool in Eddy County, New Mexico, classified as an oil pool for San Andres production, designated as the Lakewood-San Andres Pool, and described as:

Twp. 19 South, Range 26 East  
SE/4 of Section 4

and such other etc.

(C) Create a new pool in Chaves County, New Mexico, classified as an oil pool for Queen production, designated as the LuckyLake-Queen Pool, and described as:

Twp. 15 South, Range 29 East  
NE/4 of Section 15

and such other etc.

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

Twp. 18 South, Range 35 East  
NE/4 of Section 14

and such other etc.

(E) Create a new pool in Eddy County, New Mexico, classified as an oil pool for Grayburg production, designated as the Shugart-Grayburg pool, and described as:

Twp. 18 South, Range 31 East  
SW/4 of Section 35

and such other etc.

# OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

SE Lea Nomenclature Case January

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

Twp. 16 South, Range 35 East  
SE/4 of Section 15

and such other etc.

(G) Extend the Anderson pool boundary in Eddy County, New Mexico, to include therein:

Twp. 17 South, Range 29 East  
N/2 of the NW/4 of Section 10

and such other etc,

(H) Extend the Artesia pool boundary in Eddy County, New Mexico, to include therein:

Twp. 18 South, Range 28 East  
NW/4 and W/2 NE/4 of Section 1

and such other etc.

(I) Extend the Atoka pool boundary in Eddy County, New Mexico, to include therein:

Twp. 18 South, Range 26 East  
SE/4 of Section 2  
NE/4 of Section 11

and such other etc.

(J) Extend the Bough pool boundary in Lea County, New Mexico, to include therein:

Twp. 9 South, Range 35 East  
NE/4 of Section 24

and such other etc.

(K) Extend the Cave pool boundary in Eddy County, New Mexico, to include therein:

- Twp. 17 South, Range 29 East  
S/2 of the SW/4 of Section 5  
W/2 of the NE/4 of Section 8

and such other etc.

(L) Extend the Crossroads-~~Devonian~~ pool boundary in Lea County, New Mexico, to include therein:

Twp. 9 South, Range 36 East  
NE/4 of Section 22 and NW/4 of Section 23

and such other etc.

OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

(M) Extend the Dean-Permian-Pennsylvanian pool boundary in Lea County, New Mexico, to include therein:

Twp. 15 South, Range 36 East  
W/2 of the SW/4 of Section 36

and such other etc.

(N) Extend the South Eunice pool boundary in Lea County, New Mexico, to include therein:

Twp. 22 South, Range 35 East  
E/2 of the NW/4 of Section 1

and such other etc.

(O) Extend the Gladiola-Devonian pool boundary in Lea County, New Mexico, to include therein:

Twp. 12 South, Range 38 East  
S/2 of the SE/4 of Section 18

and such other etc.

(P) Extend the Grayburg-Jackson pool boundary in Eddy County, New Mexico, to include therein:

Twp. 17 South, Range 29 East  
E/2 of the SW/4 and W/2 of the SE/4 of Section 15

and such other etc.

(Q) Extend the Millman Grayburg pool boundary in Eddy County, New Mexico, to include therein:

Twp. 19 South, Range 28 East  
W/2 SW/4 and SW/4 NW/4 Section 17

and such other etc.

(R) Extend the Saladar-Yates pool boundary in Eddy County, New Mexico, to include therein:

Twp. 20 South, Range 28 East  
NW/4 and NW/4 of the SE/4 of Section 33

and such other etc.

OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

(S) Extend the Square-Lake pool boundary in Eddy County, New Mexico, to include therein:

Twp. 16 South, Range 29 East  
E/2 of the SE/4 of Section 25  
E/2 of the NE/4 of Section 36

Twp. 16 South, Range 30 East  
S/2 of Section 29  
S/2 of Section 30  
N/2 of Section 31  
NW/4 of Section 32

~~Twp. 17 South, Range 30 East  
W/2 of Section 5  
S/2 of Section 6~~

and such other etc.

(T) Extend the Young-San Andres pool boundary in Lea County, New Mexico, to include therein:

Twp. 18 South, Range 32 East  
NW/4 of Section 28

and such other etc.

(U) Extend the Warren McKee pool boundary in Lea County, New Mexico, to include therein:

Twp. 20 South, Range 38 East  
E/2 of the SE/4 & SE/4 of the NE/4 of Section 19

and such other etc.

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

IN THE MATTER OF:

Case No. 1198

TRANSCRIPT OF PROCEEDINGS

DEARNLEY-MEIER AND ASSOCIATES  
COURT REPORTERS  
605 SIMMS BUILDING  
TELEPHONE 3-6691  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
January 16, 1957

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IN THE MATTER OF:

Southeastern New Mexico nomenclature case calling for the creation of new pools and the extension of existing pools in Lea, Chaves and Eddy Counties, New Mexico.

- (a) Creation of a new oil pool for San Andres production, designated as the Dayton-San Andres Pool, and described as:

Township 18 South, Range 26 East  
Section 35: NE/4

- (b) Creation of a new oil pool for San Andres production, designated as the Lakewood-San Andres Pool, and described as:

Township 19 South, Range 26 East  
Section 4: SE/4

- (c) Creation of a new oil pool for Queen production, designated as the Lucky Lake-Queen Pool, and described as:

Township 15 South, Range 29 East  
Section 15: NE/4

- (d) Creation of a new oil pool for Pennsylvanian production, designated as the Reeves-Pennsylvanian Pool, and described as:

Township 18 South, Range 35 East  
Section 14: NE/4

- (e) Creation of a new oil pool for Grayburg production, designated as the Shugart-Grayburg Pool, and described as:

Township 18 South, Range 31 East  
Section 35: SW/4

- (f) Creation of a new oil pool for Devonian production, designated as the Townsend-

Case 1198

Devonian Pool, and described as:

Township 16 South, Range 35 East  
Section 15: SE/4

(g) Extension of the Anderson Pool to include:

Township 17 South, Range 29 East  
Section 10: N/2 of the NW/4

(h) Extension of the Artesia Pool to include:

Township 18 South, Range 28 East  
Section 1: NW/4 and W/2 NE/4

(i) Extension of the Atoka Pool to include:

Township 18 South, Range 26 East  
Section 2: SE/4  
Section 11: NE/4

(j) Extension of the Bough Pool to include:

Township 9 South, Range 35 East  
Section 24: NE/4

(k) Extension of the Cave Pool to include:

Township 17 South, Range 29 East  
Section 5: S/2 of the NW/4  
Section 8: W/2 of the NE/4

(l) Extension of the Crossroads Pool to include:

Township 9 South, Range 36 East  
Section 22: NE/4  
Section 23: NW/4

(m) Extension of the Dean Permo-Pennsylvanian Pool to include:

Township 16 South, Range 36 East  
Section 36: W/2 of the SW/4

(n) Extension of the South Eunice Pool to include:

Township 22 South, Range 35 East  
Section 1: E/2 of the NW/4

(o) Extension of the Gladiola Pool to include:

Township 12 South, Range 38 East  
Section 18: S/2 of the SE/4

(p) Extension of the Grayburg-Jackson Pool to include:

Township 17 South, Range 29 East  
Section 15: E/2 SW/4, W2 SE/4

(q) Extension of the Millman Pool to include:

Township 19 South, Range 28 East  
Section 17: W/2 SW/4, SW/4 NW/4

(r) Extension of the Saladar-Yates Pool to Include:

Township 20 South, Range 28 East  
Section 33: NW/4, NW/4 SE/4

(s) Extension of the Square-Lake Pool to include:

Township 16 South, Range 29 East  
Section 25: E/2 SE/4  
Section 36: E/2 NE/4

Township 16 South, Range 30 East  
Section 29: S/2  
Section 30: S/2  
Section 31: N/2  
Section 32: NW/4

(t) Extension of the Young-San Andres Pool to include:

Township 18 South, Range 32 East  
Section 28: NW/4

(u) Extension of the Warren McKee Pool to include:

Township 20 South, Range 38 East  
Section 19: E/2 SE/4, SE/4 NE/4

BEFORE: Honorable Edwin L. Mechem  
Mr. Murray Morgan  
Mr. A. L. Porter, Jr.

TRANSCRIPT OF HEARING

MR. PORTER: The next case on the docket is Case 1198.

MR. COOLEY: Southeastern New Mexico nomenclature case calling for the creation of new pools and the extension of

existing pools in Lea, Chaves and Eddy Counties, New Mexico

(The witness, John W. Runyan, was then sworn by Mr. Cooley, attorney for the Commission.)

J O H N W. R U N Y A N,

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

DIRECT EXAMINATION

By MR. COOLEY

Q State your name and Position for the record, please.

A John W. Runyan, geologist for the Oil Conservation Commission.

Q In your official capacity as a geologist for the Oil Conservation Commission, have you had an opportunity to make a study of conditions in Township 18 South, Range 26 East, designated as Dayton-San Andres production?

A Yes, sir. My recommendation is that there should be a creation of the Dayton-San Andres pool as advertised. The cause for this creation is the Simms and Reese Fedell No. 3 located in Unit A of Section 35-18-26, completed June, 1956; top of the perforation is 1786 in San Andres.

Q Have you had an opportunity to make a study of San Andres production in Township 19 South, Range 26 East, designated as the Lakewood-San Andres pool?

A Yes, sir, I have, and recommend the creation of the Lakewood-San Andres pool as advertised, and the reason for this new creation is the discovery of the Nix and Curtis Ohio Faris No. 1 in Unit P of Section 4-19-26, completed September 18, 1956

in San Andres; top of perforation being 1052.

Q Have you made a study of the Queen production in Township 15 South, Range 29 East?

A Yes, sir, I have, and recommend that this pool, the creation of the Lakewood-Queen Pool--

Q The what pool?

A I beg your pardon--the creation of the Lucky-Lake-Queen Pool. The purpose of this creation was the discovery of the William Barnhill Los Nietos Federal No. 1 in Unit A of Section 15-15-29, completed March 25, 1956 in the Queen formation; top of the perforation is 1894.

Q Have you made a study of Pennsylvania production in Township 18 South, Range 35 East?

A Yes, and I recommend the creation of the Reeves-Pennsylvanian Pool as advertised. The purpose of this creation is the discovery of the Cities Service State AX No. 1 in Unit H of Section 14-18-35 completed in the Pennsylvanian November 20, 1956; top of perforation, 10,945.

Q Have you made a study of Grayburg production in Township 18 South, Range 31 East?

A I have, and recommend the creation of a new pool, being the Shugart-Grayburg Pool, as advertised, and the reason for this creation is the discovery of the Koehane Saunders Welch & Iverson Hinkle A No. 4 in Unit M of Section 35-18-31, completed in the Grayburg October 11, 1956--there is no perforation involved.

MR. NUTTER: There is no depth shown, no depth for completion on this plat.

MR. COOLEY: If the commission please, we won't hold off on the information on the top of the perforation--we can get that.

MR. PORTER: All right.

Q Have you had an opportunity to make a study of the Devonian production in Township 16 South, Range 35 East?

A I have, and recommend that this--the creation of the Townsend-Devonian Pool as advertised, be dismissed for further study.

Q Have you made a study of the proposed extension of the Anderson Pool in Section 10, Township 17 South, Range 29 East?

A Yes, sir, I have and recommend it be extended as advertised.

Q Have you made a study of the proposed extension of the Artesia Pool in Township 17 South, Range 28 East?

A Yes, sir, and I recommend that it be extended as advertised and also the following unadvertised portion, being the South/half of the Southeast/quarter of Section 35; the South/half of the Southwest/quarter of Section 36, Township 17 South, Range 28 east.

Q Have you made a study of the proposed extension of the Atoka Pool to include land in Township 18 South, Range 26 East?

A Yes, and I recommend it be extended as advertised and also the following unadvertised portion, being the Southwest/quarter of Section 11, the West/half of the Southwest/quarter of Section 12.

Q In Township 18 South, Range 26 East?

A That is correct.

Q Have you made a study of the proposed extension of the Bough Pool in Township 9 South, Range 35 East?

A Yes, sir and recommend it be extended as advertised.

Q Have you made a study of the proposed extension of the Cave Pool in Township 17 South, Range 29 East?

A Yes, and recommend that it be extended as advertised.

Q Have you made a study of the proposed extension of the Crossroads Pool?

A Yes, sir, and recommend it be extended as advertised.

Q Do you have any recommendations for the extension of the Dean Permo-Pennsylvanian Pool?

A Yes, sir, I recommend that it be extended as advertised and also the following unadvertised portions, being the Southeast/quarter Southwest/quarter of Section 25, Township 15 South, Range 36 east.

Q What are your recommendations in regard to the South Eunice Pool?

A I recommend that this extension be dismissed and--I beg your pardon--I recommend that the advertised portion of the extension be dismissed, and the addition of an unadvertised portion of the South Eunice Pool, being the Northeast/quarter of the Southeast/quarter of Section 3, Township 22 South, Range 36 East.

Q What are your recommendations regarding the Gladiola Pool?

A I recommend that it be extended as advertised.

Q Do you have any recommendations concerning the Grayburg-Jackson Pool?

A Yes, sir, I recommend it be extended as advertised, and also an unadvertised portion being the Southwest/quarter of Section 6, Township 17 South, Range 31 East.

Q Do you have a recommendation regarding the Millman Pool?

A Yes, sir; I recommend that it be extended as advertised.

Q Do you have any recommendation regarding the Saladar-Yates Pool?

A Yes, sir; I recommend it be extended as advertised.

Q What is your recommendation in regard to the Square-Lake Pool?

A That it be extended as advertised.

Q What is your recommendation regarding the Young-San Andres Pool?

A I recommend that it be extended as advertised.

Q Do you have a recommendation regarding the Warren-McKee Pool?

A Yes, sir, I recommend it be extended as advertised.

Q Do you have the information concerning the top of the open hole or the performance, as the case may be, on the Shugart-Grayburg Pool now?

A Yes, it is--top of the perforation is at 3857 feet.

MR. PORTER: What exhibit is that?

A This is Shugart-Grayburg, Exhibit E.

Q Do you have anything further in regard to this case?

A No, sir.

MR. PORTER: You do not intend to introduce exhibits for those cases you wish dismissed?

A I'm sorry; I wish to submit to the Commission Exhibits A through E, G through M, and O through U.

MR. PORTER: Is there any objection to the admission of

these exhibits? If not, they will be admitted. Does anyone have a question for Mr. Runyan? Mr. Runyan, you may be excused, and the case will be taken under advisement.

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STATE OF NEW MEXICO    )  
                                  ) ss.  
COUNTY OF SANTA FE    )

I, Dorothy B. Myers, Court Reporter and Notary Public in and for the County of Santa Fe, State of New Mexico, do hereby certify that the foregoing and attached transcript of proceedings before the Oil Conservation Commission of the State of New Mexico, was reported by me in shorthand and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my hand and seal this 24th day of January, 1957.

*Dorothy B. Myers*  
\_\_\_\_\_  
NOTARY PUBLIC - COURT REPORTER

My commission expires:

August 3, 1960.