

**BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
May 14, 1958**

**IN THE MATTER OF:**

**CASE NO. 1444**

**TRANSCRIPT OF HEARING**

**DEARNLEY - MEIER & ASSOCIATES  
GENERAL LAW REPORTERS  
ALBUQUERQUE NEW MEXICO  
Phone CHapel 3-6691**

BEFORE THE  
OIL CONSERVATION COMMISSION  
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IN THE MATTER OF:

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

(a) Create a new oil pool for San Andres production, designated as the West Crossroads-San Andres Pool, and described as:

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM  
Section 21: SW/4

(b) Create a new gas pool for Pennsylvanian production, designated as the Halfway-Pennsylvanian Gas Pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM  
Section 25: SE/4

(c) Create a new gas pool in Eddy County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Shugart-Pennsylvanian Gas Pool, and described as:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM  
Section 34: NE/4

(d) Extend the Atoka-Grayburg Pool to include:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM  
Section 13: SW/4 NE/4

(e) Extend the Caprock-Queen Pool to include:

TOWNSHIP 13 SOUTH, RANGE 32 EAST, NMPM  
Section 29: W/2 NW/4

TOWNSHIP 14 SOUTH, RANGE 31 EAST, NMPM  
Section 20: E/2 SE/4

(f) Extend the Jalmat Gas Pool to include:

TOWNSHIP 22 SOUTH, RANGE 35 EAST, NMPM

Section 11: SW/4

TOWNSHIP 24 SOUTH, RANGE 36 EAST, NMPM

Section 10: SW/4

- (g) Extend the Justis-Drinkard Pool to include:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 24: NW/4

- (h) Extend the Justis-McKee Pool to include:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM

Section 13: S/2 SE/4

- (i) Extend the Pearl-Queen Pool to include:

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM

Section 28: S/2 &amp; NE/4

Section 29: S/2

Section 30: SE/4

Section 31: NE/4

- (j) Extend the Roberts Pool to include:

TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM

Section 9: W/2 SW/4

- (k) Extend the North Shugart-Grayburg Pool to include:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM

Section 9: SE/4

Section 10: SW/4

Section 15: N/2 NW/4

- (l) Contract the Forrest Pool by the deletion of the following described area:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM

Section 35: NE/4, N/2 SE/4 and SE/4 SE/4

- (m) Contract the Square Lake Pool by the deletion of the following described area:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM

Section 35: SW/4 SE/4

(n) Extend the Square Lake Pool to include:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM  
Section 35: NE/4

(o) Extend the Townsend-Wolfcamp Pool to include:

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM  
Section 6: Lots 1, 2, 7 & 8.

(p) Extend the Warren-McKee Pool to include:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM  
Section 19: SW/4 NE/4

(q) Extend the Milnesand-Pennsylvanian Pool to include therein:

TOWNSHIP 8 SOUTH, RANGE 35 EAST, NMPM  
Section 18: SE/4 & N/2 NW/4

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CASE NO. 1445

BEFORE:

A. L. Porter  
Murray Morgan

TRANSCRIPT OF PROCEEDINGS

MR. PORTER: Now, due to the necessity of our star witness having to leave for Hobbs, we are going to call Case No. 1444.

MR. PAYNE: Case 1444. Southeastern New Mexico Non-enclature case calling for an order for the creation of new pools and the extension of existing pools in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico.

(Witness sworn.)

E. J. FISCHER

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

DIRECT EXAMINATION

BY: MR. PAYNE:

Q Will the witness please state his name and position?

A E. J. Fischer, District Engineer for the New Mexico Oil Conservation Commission in Hobbs.

Q Mr. Fischer, in your official capacity have you had an opportunity to make a study concerning the creation of new pools and extension and contraction of existing pools in Lea, Eddy, Chaves and Roosevelt Counties?

A I have not myself made the study, but have been advised by our geologist of the study.

Q Mr. Fischer, what recommendations do you have concerning the creation of a new oil pool for San Andres production?

A I recommend that the Commission create a new oil pool for San Andres production and so designate it as the West Crossroads-San Andres Pool. The reason for this being the discovery well of Jack Markham-Magnolia Glenn No. 1 in Unit M, Section 21, 9, 35, completed in the San Andres. Top of perforation, 4801, completed on 3/22/58.

Q What do you recommend as the horizontal and vertical limits of this proposed pool?

A I recommend the SW/4 of Section 21, Township 9 South, Range 35 East. That comprises the present limits of that pool.

MR. PORTER: What about the vertical limits.

Q (By Mr. Payne) What do you recommend as the vertical limits?

A I recommend the vertical limits be the San Andres Formation.

Q Mr. Fischer, what recommendations do you have concerning the creation of a new gas pool for Pennsylvanian production?

A I recommend that a new pool for Pennsylvanian production be created, and in line with that, it was advertised to be called the Halfway-Pennsylvanian Gas Pool, and I recommend that we change that to the South Salt Lake Pennsylvanian Gas Pool because it would be more in line with the nomenclature. The discovery well on that pool was the Texas Company's Audie Richards No. 1 in Unit P of Section 25, Township 20 South, Range 32 East, completed in the Marrow Sand of the Pennsylvanian formation, with top of perforation, 12,909 feet. Completion date, 1/20/58. I recommend that the Marrow Sand of the Pennsylvanian formation comprise the vertical limits and the horizontal limits to be the SE/4 of Section 25, 20, 32.

Q Does the Marrow Sand comprise the entire Pennsylvanian formation?

A No.

Q Are the vertical limits of this pool readily distinguishable?

A They are, and for reasons, I propose they use the log of this Texas Company's Audie Richards No. 1.

Q Mr. Fischer, what are your recommendations concerning the

creation of a new gas pool in Eddy County, New Mexico?

A I recommend that a new gas pool be created in Eddy County as advertised, and called the Shugart-Pennsylvanian Gas Pool. The discovery well for this pool is the Pan American Petroleum Company's Greenwood Unit No. 2 in Unit G of Section 34, Township 18 South, Range 31 East, completed 1/8/58 in the Pennsylvanian formation, with the top perforation at 10,912 feet. The vertical limits to include the Pennsylvanian formation, and the horizontal limits to include at the present time the NE/4 of this said Section 34, 18, 31.

Q Mr. Fischer, what are your recommendations concerning extension of the Atoka-Grayburg Pool?

A I recommend that the Atoka-Grayburg Pool be extended as advertised.

Q What is the reason for this recommendation, Mr. Fischer?

A The reason for extending the Atoka-Grayburg Pool as advertised is because of one well completed in this pool capable of producing from this formation, that being the Standard Oil Company of Texas V. L. Leavitt No. 2 in Unit G of Section 13, Township 18 South, Range 26 East, and completed in the Premier Sand. Top of perforation, 990 feet.

Q What are your recommendations concerning the extension of the Caprock-Queen Pool?

A I recommend that the Caprock-Queen Pool be extended as advertised.

Q And for what reason, Mr. Fischer?

A For the reason of this Chambers & Kennedy State A No. 1 in Unit D being completed in the Caprock-Queen Pool -- the Queen sand rather, of the Caprock Queen in Section 29, 13, 32.

Q What are your recommendations concerning extension of the Jalmat Gas Pool?

A I recommend that it be extended as advertised on the basis of three wells completed in this pool.

Q What are your recommendations concerning extension of the Justis-Drinkard Pool?

A I recommend that it be extended as advertised on the basis of two wells completed in this pool.

Q What are your recommendations concerning extension of the Justis-McKee Pool?

A I also recommend that this pool be extended as advertised on the basis one one well completed in the Justis Pool.

Q What are your recommendations concerning the extension of the Pearl-Queen Pool?

A I recommend that pool be extended as advertised on the basis of three wells completed in this pool.

Q What are your recommendations concerning extension of the Roberts Pool?

A That it be extended as advertised on the basis of one well completed in this pool.

Q What are your recommendations concerning extension of the

North Shugart-Grayburg Pool?

A I recommend it be extended as advertised on the basis of two wells completed in this pool.

Q What are your recommendations concerning the contracting of the Forrest Pool?

A I recommend that it be contracted as advertised to eliminate an overlap of the Forrest and Square Lake Pools.

Q What are your recommendations concerning the contracting of the Square Lake Pool?

A I recommend it be contracted as advertised to eliminate an overlap of the Square Lake and Forrest Pool.

Q Are the vertical limits of the Forrest and Square Lake Pool the same?

A They are.

Q What are your recommendations concerning the extension of the Square Lake Pool?

A I recommend it be extended as advertised on the basis of one well completed in this pool and capable of producing from this pool.

Q What are your recommendations concerning extension of the Townsend-Wolfcamp Pool?

A I recommend it be extended as advertised on the basis of one well completed and capable of producing from this pool.

Q What are your recommendations concerning the extension of Warren-McKee Pool?

A I recommend also that this pool be extended as advertised on the basis of one well completed in this pool.

Q What are your recommendations concerning extension of the Milnesand-Pennsylvanian Pool?

A I recommend it be extended as advertised on the basis of two wells capable of producing from this pool.

Q Have you, Mr. Fischer, prepared exhibits substantiating your recommendations?

A I have.

Q How are they identified?

A They start out from A and go through Exhibit Q.

MR. PAYNE: Mr. Commissioner, at this time I move that Exhibits A through Q in Case 1444 be received in evidence.

MR. PORTER: My Payne, I believe there is a question about one of the exhibits, one of the paragraphs representing one exhibit. Mr. Nutter, do you have a question on that?

MR. NUTTER: Yes.

#### CROSS EXAMINATION

BY: MR. NUTTER:

Q Mr. Fischer, are you in a position at the present time to define the exact vertical limits of the proposed South Salt Lake Pennsylvanian Pool, what they should be?

A No. Like I say, this was not prepared by me, and the geologist is not here at this time.

Q And the proposal is that the vertical limits would consist

of the Morrow Sand, that being a body of the Pennsylvanian formation, is that correct?

A Yes.

Q But you have no log or an exhibit to depict the vertical limits of the pool to offer in evidence?

A No, I do not at this time. I wasn't given one.

Q Would it be possible to either continue or dismiss this case until we should have an exhibit?

MR. PORTER: You mean this Paragraph B?

MR. NUTTER: This particular part of the case, yes, sir.

Q (By Mr. Nutter) Would it be possible to do that?

A Well, I recommend then that it be dismissed until we can define the vertical limits of this pool.

MR. PAYNE: One of the exhibits is not here, is that correct?

A I have an exhibit for the horizontal limits of what is proposed, what we propose to call the South Lake Pennsylvanian Gas Pool.

MR. PAYNE: And that is Exhibit B?

A That is Exhibit B.

MR. PAYNE: Mr. Commissioner, I move that Exhibit A and Exhibit C through Q be received into evidence.

MR. PORTER: Without objection, they will be received, and Paragraph B will be dismissed and readvertised. Anyone have

a question of the witness? The witness may be excused.

(Witness excused.)

MR. PORTER: Anyone have anything further in the case?

Take the case under advisement and take a ten minute recess.

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STATE OF NEW MEXICO )  
                                  ) ss  
COUNTY OF BERNALILLO )

I, J. A. Trujillo, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Conservation Commission was reported by me in Stenotype 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, the 21st day of May, 1958, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*Joseph A. Trujillo*  
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NOTARY PUBLIC

My Commission Expires:

October 5, 1960