

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

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IN THE MATTER OF:

CASE 1899: Southeastern New Mexico nomenclature case calling for an order for the creation of new pools, the extension of existing pools and the deletion of a portion of a pool in Lea, Chaves, Eddy and Roosevelt Counties, New Mexico:

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

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM  
Section 3: SW/4

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

TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPM  
Section 33: SW/4

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

TOWNSHIP 14 SOUTH, RANGE 31 EAST, NMPM  
Section 35: SW/4

- (d) Create a new oil pool for Abo production, designated as the Corbin-Abo Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 33 EAST, NMPM  
Section 31: NW/4

- (e) Create a new oil pool for Yates production, designated as the North Hackberry-Yates Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM  
Section 20: W/2

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- (f) Create a new oil pool for Pennsylvanian production, designated as the Pearl-Pennsylvanian Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM  
Section 35: NE/4

- (g) Create a new gas pool for Seven Rivers production, designated as the East Pearl-Seven Rivers Gas Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM  
Section 32: SW/4

- (h) Create a new oil pool for Queen production, designated as the East Red Lake-Queen Pool, and described as:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM  
Section 35: SE/4 NE/4 and E/2 SE/4  
Section 36: SW/4

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM  
Section 1: NW/4  
Section 2: E/2 NE/4 and SE/4  
Section 11: NE/4

- (i) Create a new oil pool for Grayburg production, designated as the North Square Lake-Grayburg Pool, and described as:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM  
Section 10: NW/4

- (j) Delete a portion of the Vandagriff-Keyes Gas Pool in Eddy County, New Mexico, described as:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM  
Section 34: SW/3

- (k) Extend the Bluit-Pennsylvanian Pool to include:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM  
Section 24: SE/4

TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPM  
Section 19: S/2



(l) Extend the Byers-Queen Gas Pool to include:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM  
Section 5: NE/4

(m) Extend the Coyote-Queen Pool to include:

TOWNSHIP 11 SOUTH, RANGE 27 EAST, NMPM  
Section 17: S/2  
Section 20: N/2

(n) Extend the El Mar-Delaware Pool to include:

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM  
Section 27: SE/4

TOWNSHIP 26 SOUTH, RANGE 33 EAST, NMPM  
Section 19: SW/4

(o) Extend the Grayburg Jackson Pool to include:

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM  
Section 3: NE/4  
Section 28: SW/4

(p) Extend the Hobbs Pool to include:

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM  
Section 26: W/2 NE/4

(q) Extend the Justis-Blinebry Pool to include:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
Section 14: NE/4

(r) Extend the Justis-Ellenburger Pool to include:

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM  
Section 19: NW/4

(s) Extend the Maljamar Pool to include:

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM  
Section 13: NW/4

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

TOWNSHIP 19 South, RANGE 35 EAST, NMPM  
Section 22: NE/4  
Section 29: NW/4



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(u) Extend the North Red Lake-Queen Pool to include:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM  
Section 34: W/2 SW/4

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM  
Section 3: NW/4 NW/4

(v) Extend the Shugart Pool to include:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM  
SECTION 2: NE/4

BEFORE:

A. L. PORTER  
MURRAY MORGAN

TRANSCRIPT OF PROCEEDINGS

MR. PORTER: We will proceed next to Case 1899, the Southeast nomenclature.

MR. PAYNE: Case 1899. Southeastern New Mexico nomenclature case calling for an order for the creation of new pools, the extension of existing pools and the deletion of a portion of a pool in Lea, Chaves, Eddy and Roosevelt Counties, New Mexico:

ERIC ENGBRECHT

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 Eric Engbrecht, District Engineer, Hobbs, New Mexico,



Oil Conservation Commission.

Q Mr. Engbrecht, in your capacity with the Oil Conservation Commission, have you made a study concerning the necessity or desirability for creating new pools, extending existing pools, and deleting a portion of one pool in Lea, Eddy, Chaves, and Roosevelt Counties?

A I have.

Q What are your recommendations concerning creation of a new oil pool for Blinebry production?

A It is recommended that a new oil pool be created and designated as the West Blinebry Pool. The vertical limits to be the Blinebry formation and the horizontal limits to be as follows: The SW/4 of Section 3, Township 23 South, Range 37 East. The discovery well was Skelly Oil Company's R. R. Simms No. 7 located in Unit K of Section 3, Township 23 South, Range 37 East, and was completed on July 1, 1959. Top of perforations is at 5553.

Q What are your recommendations concerning creation of a new gas pool for Wolfcamp production?

A It is recommended that a new gas pool be created and designated as the Bluit-Wolfcamp Gas Pool. The vertical limits to be the Wolfcamp formation and the horizontal limits as follows: The SW/4 of Section 33, Township 7 South, Range 37 East. The discovery well was H. L. Brown & C. E. George Federal No. 1, located in Unit K of Section 33, Township 7 South, Range 37 East, and the well was completed in the Wolfcamp on September 22, 1959. Top of perforations



is at 8022 feet.

Q What are your recommendations concerning creation of a new oil pool for San Andres production?

A It is recommended that a new oil pool be created and designated as the Buffalo Valley-San Andres Pool. The vertical limits to be the San Andres formation, and the horizontal limits to be as follows: The SW/4 of Section 35, Township 14 South, Range 31 East. The discovery well was Herschel L. Copelan's Franklyn No. 1 located in Unit N of Section 35, Township 14 South, Range 27 East, and was completed on December 18, 1959. The top of perforations is at 2030 feet.

Q What are your recommendations concerning creation of a new oil pool for Abo production?

A It is recommended that a new oil pool be created and designated as the Corbin-Abo Pool. The vertical limits to be the Abo formation, and the horizontal limits as follows: The NW/4 of Section 31, Township 17 South, Range 33 East, and the discovery well was Carper Drilling Company, Inc. Federal MA "A" No. 1 in Unit C of Section 31, Township 17 South, Range 33 East, and was completed on December 24, 1959. Top of perforations is at 8582 feet.

Q What are your recommendations concerning creation of a new oil pool for Yates production?

A It is recommended that a new oil pool be created and designated as the North Hackberry-Yates Pool. The vertical limits to be the Yates formation and the horizontal limits to be as follows:



The W/2 of Section 20, Township 19 South, Range 31 East. The discovery well was Sun Oil Company's English Federal No. 1, located in Unit F of Section 20, Township 19 South, Range 31 East, and was completed on November 14, 1959. The top of perforations is at 2153 feet.

Q What are your recommendations concerning creation of a new oil pool for Pennsylvanian production?

A It is recommended that a new oil pool be created and designated as the Pearl-Pennsylvanian Pool. The vertical limits to be the Pennsylvanian formation, and the horizontal limits should be as follows: The NE/4 of Section 35, Township 19 South, Range 35 East. The discovery well was Shell Oil Company's Record No. 2 located in Unit G of Section 35, Township 19 South, Range 35 East, and was completed on December 1, 1959. Top of perforations is at 12,642 feet.

Q What are your recommendations concerning creation of a new gas pool for Seven Rivers production?

A It is recommended that a new gas pool be created and designated as the East Pearl-Seven Rivers Gas Pool. The vertical limits to be the Seven Rivers formation and the horizontal limits should be as follows: The SW/4 of Section 32, Township 19 South, Range 35 East. The discovery well was Cactus Drilling Company's Phillips State "C" No. 2 located in Unit L of Section 32, Township 19 South, Range 35 East, and was completed on June 25, 1959. Top of perforations is at 4048 feet.

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Q What are your recommendations concerning creation of a new oil pool for Queen production?

A It is recommended that a new oil pool be created and designated as the East Red Lake-Queen Pool. The vertical limits to be the Queen formation and the horizontal limits should be as follows:- This should be shown in Exhibit (h). The discovery well was Kincaid & Watson's Resler & Sheldon State No. 1, which is located in Unit H of Section 2, Township 17 South, Range 28 East, and was completed on March 2, 1959. The top of the perforations is at 1564. There are ten wells capable of producing from the vertical limits.

Q What are your recommendations concerning creation of a new oil pool for Grayburg production?

A It is recommended that a new oil pool be created and designated as the North Square Lake-Grayburg Pool. The vertical limits to be the Grayburg formation, and horizontal limits should be as follows: NW/4 of Section 10, Township 16 South, Range 31 East. The discovery well was Standard Oil Company of Texas's Lillian Coll 10 No. 1 located in Unit D of Section 10, Township 16 South, Range 31 East, and was completed on November 21, 1959. Top of perforations is at 3633.

Q Do you recommend that a portion of the Vandagriff-Keyes Gas Pool be deleted?

A It is recommended that the Vandagriff-Keyes Gas Pool boundary be deleted as shown in Paragraph (j) of Exhibit 1 on the basis that part of this area has one oil well and is not in a gas

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pool. Part of the deleted area to be added to the North Red Lake-Queen Pool to include the oil well in the oil pool.

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

A It is recommended that the Bluit-Pennsylvanian Pool boundary be extended as shown in Paragraph (k), Exhibit 1, on the basis of three wells completed there.

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

A It is recommended that the Byers-Queen Gas Pool boundary be extended as shown in Paragraph (l), Exhibit 1, on the basis of one well completed therein.

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

A It is recommended that the Coyote-Queen Pool boundary be extended as shown in Paragraph (m), Exhibit 1, on the basis of two wells completed therein.

Q What are your recommendations concerning extension of the El Mar-Delaware Pool?

A It is recommended that the El Mar-Delaware Pool be extended as shown in Paragraph (n), Exhibit 1, on the basis of two wells completed therein.

Q What are your recommendations concerning extension of the Grayburg Jackson Pool?

A It is recommended that the Grayburg Jackson Pool be



extended as shown in Paragraph (o), Exhibit 1, on the basis of four wells completed therein.

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

A It is recommended that the Hobbs pool boundary be extended as shown in Paragraph (p), Exhibit 1, on the basis of 1 well completed therein.

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

A It is recommended that the Justis Blinebry Pool boundary be extended as shown in Paragraph (q), Exhibit 1, on the basis of two wells completed there in.

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

A It is recommended that the Justis-Ellenburger Pool boundary be extended as shown in Paragraph (r), Exhibit 1, on the basis of one well completed therein.

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

A It is recommended that the Maljmar pool boundary be extended as shown in Paragraph (s), Exhibit 1, on the basis of four wells completed therein, -- Or excuse me, be dismissed for further study.

Q You are recommending the dismissal of Paragraph (s)?

A That is right, sir.

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

A It is recommended that the Pearl-Queen Pool be extended as shown in Paragraph (t), Exhibit 1, on the basis of three wells completed therein.

Q What are your recommendations concerning extension of the North Red Lake-Queen Pool?

A It is recommended that the North Red Lake-Queen Pool boundary be extended as shown in Paragraph (u), Exhibit 1, on the basis of two wells completed therein.

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

A It is recommended that the Shugart Pool boundary be extended as shown in Paragraph (v), Exhibit 1, on the basis of two wells completed therein.

Q Mr. Engbrecht, have you prepared an Exhibit substantiating your recommendations?

A I have.

Q How is it designated?

A Exhibit 1, Case 1899, with each one of the creations, and extensions from Paragraph (a) through Paragraph (v).

MR. PAYNE: Mr. Commissioner, I move for the introduction of Exhibit 1 in the Southeastern New Mexico nomenclature case and further recommend that Paragraph (S) be dismissed.

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MR. PORTER: Deleted from the Exhibit?

MR. PAYNE: Yes, sir.

CROSS EXAMINATION

BY MR. PORTER:

Q Mr. Engbrecht, I notice you said this proposed extension of the Maljamar Pool, which you are now proposing be dismissed, was for the purpose of including twelve wells?

A Yes, sir. There is a study to be made as to whether they shall go into the Maljamar Pool or into the Roberts Pool.

Q That answers my question. Is there a possibility that the Roberts Pool might need to be abolished and included as part of the Maljamar as a result of this study? Do you think the pools may connect?

A I believe, sir, that the two pools are connected, and therefore we will have to abolish one.

MR. PORTER: Without objection, the Commission will make the exhibit a part of the record as recommended by Mr. Payne, with the exclusion of Paragraph (s), and that paragraph will be dismissed.

Anyone else have any questions of the witness? The witness may be excused.

(Witness excused.)

MR. PORTER: If there is nothing further, we will take the case under advisement.

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