

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE 1833: Southeastern New Mexico Nomenclature Case

TRANSCRIPT OF HEARING

DECEMBER 16, 1959

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OIL CONSERVATION COMMISSION
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IN THE MATTER OF:

CASE 1833 Southeastern New Mexico nomenclature case calling for an order for the creation of new pools and extension of existing pools in Chaves, Eddy and Lea Counties, New Mexico.

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

TOWNSHIP 23 SOUTH, RANGE 23 EAST, NMPM
Section 13: SE/4

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

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

- (c) Create a new oil pool for Yates production, designated as the Culwin-Yates pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM
Section 1: NE/4

- (d) Create a new oil pool for Pennsylvanian production, designated as the Little Lucky Lake-Pennsylvanian Pool, and described as:

TOWNSHIP 15 SOUTH, RANGE 30 EAST, NMPM
Section 32: NW /4

- (e) Create a new oil pool for Seven Rivers production, designated as the East Millman-Seven Rivers Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 21: NW/4

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

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 25: SW/4

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

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 21: SE/4

- (h) Extend the Acme Pool, to include:

TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM
Section 4: W/2 NW/4

- (i) Extend the North Bagley-Pennsylvanian Pool to include:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 15: W/2
Section 16: S/2

- (j) Extend the Blinebry Pool, to include:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 17: NW/4 & W/2 NE/4

- (k) Extend the Blinebry Gas Pool, to include?

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 16: N/2

- (l) Extend the Coyote-Queen Pool, to include:

TOWNSHIP 11 SOUTH, RANGE 27 EAST, NMPM
Section 10: S/2
Section 11: SW/4

- (m) Extend the Eagle Creek-San Andres Pool, to include:

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
Section 23: NE/4

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



TOWNSHIP 26 SOUTH, RANGE 33 EAST, NMPM
Section 30: W/2

- (o) Extend the Empire-Abo Pool, to include:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 36: SE/4

- (p) Extend the Hume-Queen Pool, to include:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
Section 7: SE/4

- (q) Extend the Justis-Tubb Pool, to include:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 25: N/2 & SE/4
Section 26: NE/4

- (r) Extend the Langlie-Mattix Pool, to include:

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM
Section 4: SE/4

- (s) Extend the Pearl-Queen Pool, to include:

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM
Section 22: NW/4 & N/2 SE/4

- (t) Extend the Ranger Lake-Pennsylvanian Pool, to include:

TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM
Section 35: W/2 NW/4

- (u) Extend the Robinson Pool, to include:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
Section 36: SE/4

- (v) Extend the Teas Pool, to include:

TOWNSHIP 20 SOUTH, RANGE 33 EAST, NMPM
Section 23: E/2

- (w) Extend the Weir-Tubb Gas Pool, to include:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 15: E/2 SW/4



Mabry Hall
Capitol Building
Santa Fe, New Mexico

BEFORE:

Mr. A. L. Porter
Mr. Murray Morgan
Gov. John Burroughs

T R A N S C R I P T O F P R O C E E D I N G S

MR. PORTER: The Commission will take next the Southeast nomenclature case number 1833.

MR. PAYNE: Case number 1833 Southeastern New Mexico nomenclature case calling for an order for the creation of new pools and extension of existing pools in Chaves, Eddy, and Lea Counties, New Mexico.

(Witness sworn.)

DANIEL NUTTER

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 Daniel Nutter, Chief Engineer.

Q Mr. Nutter, in your official capacity with the Oil Conservation Commission have you made a study concerning the necessity or desirability for creating, extending and abolishing

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certain pools in Eddy, Chaves, and Lea Counties, New Mexico?

A Yes, I have.

Q What are your recommendations concerning the creation of a new gas pool for Pennsylvania productions?

A I recommend that a new gas pool be created in the Southeastern quarter, Section 13, Township 23 South, Range 23 East, Eddy County, New Mexico. This creation is based on the discovery by the Humble Oil Refining Company ^{30. June} advanced unit Well No. 1 located on Section 14. It was completed October 8th, 1959, and has a top perforation of 9,782 feet.

Q What do you recommend it be named?

A I would recommend it be called the Bandana Point-Pennsylvania Gas Pool.

Q What do you recommend for the vertical units?

A Pennsylvanian formation.

Q Do you recommend the horizontal unit to be the same as shown in paragraph a?

A Correct.

Q What are your recommendations concerning the new gas pool for Pennsylvanian production designated as Township 19 South, Range 33 East?

A I would recommend a new designation as Buffalo-Pennsylvanian Gas Pool. The vertical limits would be the Pennsylvanian formation. The horizontal limits to comprise the northeast quarter of Section 4, Township 19 South, Range 33 East.



This discovery of this pool is predicated by the discovery by the Pan-American Petroleum Corporation, Buffalo Federal Unit, Well No. 4 located Unit H of Section 4, Township 19 South, Range 33 East. This well was completed March 11th, 1958. The top perforation is 13,270 feet.

Q What recommendations are there to create a new oil pool for Yates production designated as the Culwin-Yates Pool?

A I would recommend that a new oil pool be created comprising the northeast quarter Section 1, Township 30 South, Range 30 East. This would be the Culwin-Yates Pool and it would have the Yates formation as the vertical limits and the present day discovery is by J. I. O'Neill, Jr., with his Federal E No. 3 located in Unit H of Section 1 Township 19, on Range 30. This well was completed August 9, 1959. The top perforation is 2,582 feet.

Q Do you recommend the horizontal limits shown on paragraph c of Exhibit 1?

A Yes.

Q What are your recommendations concerning the creation of a new oil pool, Pennsylvanian production in Township 15 South, Range 30?

A Texaco Incorporated discovered the new pool with their State ^{L.L.H.} 88, a Shell well number 1. This well is located in Unit C, Section 32, Township 15 South, Range 30 East. The vertical limits of this pool are the entire Pennsylvanian formation.



The horizontal limit would come on the northwest quarter Section 32 in that Township. The completion date of the well is October 10, 1959. The top perforation is 10,252 feet.

Q Do you recommend ^{the pool} a pool designated as Little Lucky Lake Pool?

A Yes.

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

A We have an oil pool designated as the East Millman-Seven Rivers Pool in the west corner, Section 21, Township 19 South, Range 28 East. This pool was discovered by O. F. ^{Featherstone} Fettererson with his frame and state well. The location is Unit F, Section 21, Township 19 South, Range 28 East. Its vertical limits should be the Seven Rivers Formation completed September 30, 1959. The top perforations are 1,038 feet.

Q What are your recommendations concerning the creation of a new oil pool designated as West Pearl-Queen Pool?

A The West Pearl-Queen Pool can be created. Its vertical limits would be the Queen formation. Its horizontal limits would be the pool southwest quarter, Section 25, Township 19 South, Range 34 East. The discoverer of this pool is ^{Caetley} Caetley Drilling Company by Federal Well No. 1 location which is Unit K, Section 25, Township 19 South, Range 34 East. The well is completed on October 3, 1959. The top perforation is 4,796 feet.

Q Do you recommend that paragraph g, Case 1833, be



dismissed?

A Yes, I recommend that it be dismissed, the creation at the Abo Pool should be dismissed, there was an error in advertisement there.

Q What are your recommendations concerning the Acme Pool?

A I recommend that the Acme Pool in Chaves County be extended as follows: The west half of the northwest quarter, Section 4, Township 8 South, Range 27 East.

Q What is your basis for that?

A A new well.

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

A The North Bagley-Pennsylvanian Pool should be extended to include in its acreage a designated part of this pool, the west half Section 15 south half Section 16, Township 11 South, Range 33 East.

Q What are your bases of that?

A New wells.

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

A The Blinebry Pool should be extended to include the horizontal limits of the northwest quarter of Section 17 West and half of the northeast corner of Section 17 South, Township 21 South.



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Q On what basis?

A On additional development.

Q Five wells or six wells?

A I couldn't say, sir.

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

A The Blinebry Gas Pool should be extended to the north half of Section 16, Township 22 South, Range 37 East, Lea County, New Mexico for additional development.

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

A The Coyote-Queen Pool should be extended to include the south half section 10 and the southwest quarter section 11 and the northeast corner of Section 28. All of these are in Township 11 South, Range 27 East.

Q On the basis of additional development?

A Yes, sir.

Q What are your recommendations concerning the Eagle Creek-San Andres Pool?

A The Eagle Creek-San Andres Pool should be extended to include there northeast quarter of Section 26, Township 17 South, Range 25 East on the basis of new development.

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

A The El Mar-Delaware Pool should be extended to include



the west half Section 30, Township 26 South, Range 33 East because of new development.

Q What are your recommendations concerning the expansion of the Empire-Abo?

A The Empire-Abo should be extended to include within the horizontal limits the southeast quarter Section 36, Township 17 South, Range 27 East. The southwest quarter of Section 10, Township 18, Range 27 East and the northeast quarter Section 6, Township 18 South, Range 28 East as a result of new development in that area.

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

A The Hume-Queen Pool should be extended to include within its horizontal limits the southeast quarter Section 7, Township 16 South, Range 34 East NMPM because of new development.

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

A The Justis-Tubb Pool should be extended to include the north half and southeast quarter of Section 25 and the northeast quarter of Section 26, Township 25 South, Range 37 East as a result of new development.

Q Do you propose to dismiss paragraph g pending further study?

A There is a possibility that this pool will be included with another pool and we are making a study at the present time.

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Perhaps we may dismiss this pending further study.

Q That is your recommendation?

A Yes, I think so.

Q What are your recommendations concerning the Langlie-Mattix Pool?

A The Langlie-Mattix Pool should be extended to include the Winmore and southeast quarter Section 4, Township 26 South, Range 37 East. This is a result of new development.

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

A The Pearl-Queen Pool should be extended to include the northwest quarter of Section 22 and the north half and the southeast corner of Section 22, Township 19 South, Range 35 East due to further development.

Q What are your recommendations concerning the Ranger Lake-Pennsylvanian Pool?

A The Ranger Lake-Pennsylvanian Pool Section 35, Township 12 South, Range 34 East, should be extended as follows: *land*
Half of the northwest quarter, Section 35, and the ~~south~~ ^{north} half of the ~~northwest~~ ^{southeast} quarter, Section 34, this is on account of new wells.

Q What are your recommendations concerning the Robinson Pool?

A The Robinson Pool should be extended to include the southeast quarter, Section 36, Township 16 South, Range 31 East.



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Q On what basis?

A New development.

Q What are your recommendations for extending the Teas Pool?

A The Teas Pool should be extended to include the east half of Section 23, Township 20 South, Range 33 East, because of new development.

Q What are your recommendations concerning the extension of the Weir-Tubb Gas Pool?

A The Weir-Tubb Gas Pool should be extended to include the east half and the southwest quarter of Section 15, Township 20 South, Range 37 East NMPM because of new development.

Q Do you have any exhibits substantiating your recommendations?

A Yes, sir, these exhibits labeled A through W. I wish to offer them at this time.

MR. PAYNE: I move for the introduction of Exhibits A through W with the exception of G and Q and I recommend that these particular paragraphs in Case 1833 be dismissed.

MR. PORTER: G and Q, anyone have any questions of the witness? Without objection, they will be admitted. Any objection to the motion for a dismissal of the two paragraphs? The Commission will admit the Exhibits offered to the record and will dismiss paragraphs G and Q. We will take those cases under advisement. The witness may be excused.



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I, ARAM SERVERIAN, Court Reporter, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil 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.


COURT REPORTER

