

BEFORE THE
OIL CONSERVATION COMMISSION
ROSWELL, NEW MEXICO

IN THE MATTER OF:

CASE 1788

TRANSCRIPT OF HEARING

OCTOBER 14, 1959

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OIL CONSERVATION COMMISSION
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IN THE MATTER OF:

CASE 1788 Southeastern New Mexico nomenclature case calling:
for an order creating, extending and abolishing
existing pools in Chaves, Eddy, Lea and Roosevelt:
Counties, New Mexico.

- (a) Create a new oil pool for Delaware produc-
tion, designated as the El Mar Delaware
Pool, and described as:

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
Section 24: S/2
Section 25: All
Section 26: All
Section 34: E/2 Partial Section
Section 35: All Partial Section
Section 36: All Partial Section

- (b) Create a new oil pool for Paddock produc-
tion, designated as the Justis-Paddock Pool,
and described as:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 13: SE/4

- (c) Create a new oil pool for Tubb production,
designated as the Justis-Tubb Pool, and des-
cribed as:

TOWNSHIP 25 SOUTH, RANGE 38 EAST, NMPM
Section 30: NW/4

- (d) Create a new oil pool for San Andres produc-
tion, designated as the East Millman-San
Andres Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 22: NE/4

- (e) Create a new oil pool for Devonian produc-
tion, designated as the West White Ranch-

Devonian Pool, and described as:

TOWNSHIP 12 SOUTH, RANGE 28 EAST, NMPM

Section 1: NE/4

- (f) Create a new oil pool for Yates and Seven Rivers production, designated as the San Miguel-Yates and Seven Rivers pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM

Section 4: NE/4

- (g) Create a new oil pool for Wolfcamp production, designated as the Tonto Deep-Wolfcamp Pool, and described as:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM

Section 22: SW/4

- (h) Abolish the Grayburg-Keely Pool in Eddy County, New Mexico, described as:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 14: S/2 SW/4

Section 15: S/2 SE/4

Section 22: All

Section 23: All

Section 26: All

Section 27: All

- (i) Extend the vertical limits of the Grayburg-Jackson Pool to include the Lower San Andres formation.

- (j) Extend the Allison-Pennsylvanian Pool to include therein:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM

Section 1: N/2 NW/4

Section 14: N/2

Section 15: NE/4

- (k) Extend the Artesia Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM

Section 8: NE/4

- (l) Extend the Bluit-Pennsylvanian Pool to include therein:

TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPM
Section 21: SW/4

- (m) Extend the Caprock-Queen Pool to include therein:

TOWNSHIP 15 SOUTH, RANGE 31 EAST, NMPM
Section 20: NE/4

- (n) Extend the Chambers-Wolfcamp Pool to include therein:

TOWNSHIP 15 SOUTH, RANGE 35 EAST, NMPM
Section 35: N/2

- (o) Extend the Coyote-Queen Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 27 EAST, NMPM
Section 14: NW/4
Section 15: N/2
Section 21: SW/4
Section 28: NW/4

- (p) Extend the Empire-Abo Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
Section 1: SE/4

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

TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM
Section 2: SE/4

- (r) Extend the Justis-Blinebry Pool to include therein:

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

- (s) Extend the Justis-McKee Pool to include therein:

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

- (t) Extend the Langlie-Mattix Pool to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 31: NE/4

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 22: SE/4

(u) Extend the Lynch Pool to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST NMPM
Section 26: NW/4

(v) Extend the Ranger Lake-Pennsylvanian Pool to include therein:

TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM
Section 23: W/2 NW/4
Section 25: NE/4 NW/4
Section 26: N/2 SW/4
Section 34: NE/4

(w) Extend the Wantz-Abo Pool to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 13: NE/4

BEFORE:

A. L. Porter
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. PAYNE: Southeastern New Mexico nomenclature case calling for an order creating, extending and abolishing existing pools in Chaves, Eddy, Lea and Roosevelt Counties, New Mexico.

J. R. RUNYAN,

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 J. R. Runyan, geologist for the Oil Conservation Commission.

Q Mr. Runyan, in your capacity as geologist for the Oil Conservation Commission, have you made a study concerning the necessity or desirability for creating, extending and abolishing certain pools in Eddy, Chaves, Lea and Roosevelt Counties, New Mexico?

A I have.

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

A I recommend a new oil pool be created and called the El Mar-Delaware Pool. This is due to the discovery of Hill & Meeker State 36 No. 1 in Unit D of Section 36, Township 36 South, Range 32 East. Completed in the Delaware March the 8th, 1959. Top of the perforations, 4609 feet. I recommend that the vertical limits be the Delaware formation, the horizontal limits be the S/2 of Section 24.

Q You recommend that the horizontal limits be the same as shown in Paragraph (a) of Exhibit 1?

A Yes, sir.

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

A I recommend that a new oil pool be created and called

the Justis-Paddock oil pool. This is due to the discovery of the Gulf Oil Corporation - Learcy McBuffington No. 5 in Unit J of Section 13, Township 25 South, Range 37 East. Completed in Paddock on July 1st, 1959. Top of perforations 4940 feet.

Q What do you recommend as the vertical limits?

A The Paddock formation.

Q What do you recommend as the horizontal limits?

A I recommend that the horizontal limits be the SE/4 of Section 13 of Township 25 South, Range 37 East.

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

A I recommend a new oil pool be created called the Justis-Tubb Pool, and this is due to two completions -- two recent completions; the Skelly Oil Company - Hobbs "A" No. 6 in Unit E of Section 30, Township 25 South, Range 38 East. Completed in the Tubb August the 9th, 1959. Top of perforations 5837 feet. And also the Skelly Oil Company - Hobbs "A" No. 7 in Unit D of Section 30, Township 25 South, Range 38 East. Completed in the Tubb September 21st, 1959. Top of perforations 5842 feet. I recommend that the Tubb formation be the vertical limits, and the NW/4 of Section 30 be the horizontal limits.

Q Of Township 25 South, Range 38 East?

A Right.

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

A I recommend a new pool be created called the East Millman-San Andres Pool. This is due to the discovery of Western-Yates - State 648, Tract 15 No. 152 in Unit A of Section 22, Township 19 South, Range 28 East. Completed in the San Andres July the 29th, 1959.

Q Do you recommend that the horizontal limits be as shown in Paragraph (d), Exhibit 1?

A I do.

Q Vertical limits, the San Andres formation?

A Correct.

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

A I recommend a new oil pool be created called the West White Ranch-Devonian Pool. This is due to the discovery of J. C. Williamson - White Ranch No. 1 in Unit A of Section 1, Township 12 South, Range 28 East. Completed in the Devonian July 22, 1959. Top of perforations, 8128 feet. I recommend that the Devonian formation be the vertical limits, and the horizontal limits NE/4 of Section 1, Township 12 South, Range 28 East.

Q What are your recommendations concerning creation of a new oil pool for Yates & 7-Rivers production?

A I recommend a new oil pool be created called the San Miguel-Yates & 7-Rivers Oil Pool. This is due to the discovery of W. A. & E. R. Hudson - Mattlock No. 1 in Unit B of Section 4, Township 20 South, Range 34 East. Completed in the Yates & Seven

Rivers August 20th, 1959. Top of perforations 3615 feet. I recommend the vertical limits be the Yates & 7-Rivers formation, the NE/4 of Section 4, Township 20 South, Range 34 East.

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

A I recommend a new oil pool be created called the Tonto Deep-Wolfcamp. This is due to the discovery by Continental Oil Company of Tonto Deep Unit No. 1 in Unit N of Section 22, Township 18 South, Range 34 East. Completed in the Wolfcamp June the 1st, 1959. Top of perforations 11,394 feet. I recommend that the vertical limits be the Wolfcamp formation, horizontal limits the SW/4 of Section 22, Township 18 South, Range 34 East.

Q What are your recommendations regarding the abolishment of the Grayburg Keely Pool?

A I recommend the Grayburg Keely Pool be abolished to permit the commingling of oil from the upper and lower San Andres formation.

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

A I recommend that the Grayburg Jackson Pool's vertical limits be extended -- extension of the vertical limits of Grayburg Jackson to include the Lower San Andres formation. The present limits are the Queen Grayburg and Upper San Andres. This proposed vertical extension automatically includes the abolished portion, or the abolished Grayburg Keely Pool.

Q Do you feel that the Lower San Andres formation is a part of the Grayburg Jackson Pool, common source of supply?

A Yes.

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

A I recommend that the Allison-Pennsylvanian Pool be extended as shown on Exhibit (j), due to the one well capable of producing from this pool.

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

A I recommend that the Artesia Pool be extended as shown on Exhibit (k) due to one well capable of producing from this well.

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

A I recommend that the Bluit-Pennsylvanian Pool be extended as shown on Exhibit (l), and this is due to one well capable of producing.

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

A I recommend the Caprock-Queen Pool be extended as shown on Exhibit (m), due to one well recently completed, capable of producing from this Pool.

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

A I recommend the Chambers-Wolfcamp Pool be extended as shown on Exhibit (n) due to one well capable of producing from this Pool.

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

A I recommend the Coyote-Queen Pool be extended as shown on Exhibit (o). This is due to four wells recently completed and capable of producing from this Pool.

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

A I recommend the Empire-Abo Pool be extended as shown on Exhibit (p) due to one well capable of producing..

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

A I recommend the Four Lakes-Pennsylvanian Pool be extended as shown on Exhibit (q) due to recent completion of one well.

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

A I recommend the Justis Blinebry Pool be extended as shown on Exhibit (r) due to three wells recently completed and capable of producing.

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

A I recommend that the Justis-Mc Kee Pool be extended

as shown on Exhibit (s). This is due to two wells capable of producing from this Pool.

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

A I recommend the Langlie-Mattix Pool be extended as shown on Exhibit (t), due to two wells recently completed and capable of producing from this Pool.

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

A I recommend the Lynch Pool be extended as shown on Exhibit (u). This is due to one well recently completed and capable of producing.

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

A I recommend the Ranger Lake-Pennsylvanian Pool be extended as shown on Exhibit (v). This is due to two recently completed oil wells capable of producing.

Q What are your recommendations concerning extension of the Wantz-Abo Pool?

A I recommend the Wantz-Abo Pool be extended as shown on Exhibit (w), due to one well capable of producing from this pool.

Q Have you prepared Exhibits substantiating your recommendations?

A Yes, sir, I have.

Q These are designated 1 (a) through 1 (w)?

A Correct. Yes, sir.

MR. PAYNE: Mr. Examiner, I move for the introduction of Exhibits 1 (a) through 1 (w) in Case 1788.

MR. PORTER: Without objection, they will be admitted. If there are no questions of the witness, he may be excused.

(Witness excused)

MR. PORTER: Nothing further to be offered in this case, take it under advisement.

