

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
November 18, 1959
REGULAR HEARING

IN THE MATTER OF:

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

) Case 1809

(a) Create a new pool, classified as an oil
pool for Abo production, designated as the
Baish-Abo Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM
Section 21: SE/4

(b) Create a new pool, classified as an oil
pool for Silurian production, designated as
the Fowler-Upper Silurian Pool, and described
as:

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
Section 22: E/2

(c) Create a new pool, classified as an oil
pool for Tubb production, designated as the
Monument-Tubb Pool, and described as:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 16: SE/4

(d) Create a new pool classified as an oil
pool for Wolfcamp production, designated as
the Canyon-Wolfcamp Pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM
Section 36: NW/4

(e) Extend the East Crossroads-Devonian
Pool to include therein:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM
Section 19: N/2 SE/4

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(f) Extend the Culwin-Queen Pool to include therein:)

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
Section 31: SW/4)

(g) Extend the Dayton-Abo Pool to include therein:)

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 25: W/2)
Section 26: S/2)
Section 36: NW/4)

(h) Extend the High Lonesome Pool to include therein:)

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM
Section 12: SE/4)

(i) Extend the Little Lucky Lake-Devonian Pool to include therein:)

TOWNSHIP 15 SOUTH, RANGE 30 EAST, NMPM
Section 29: SW/4)

(j) Extend the Red Lake-Pennsylvanian Gas Pool to include therein:)

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
Section 8: SE/4)
Section 17: NE/4)

(k) Extend the Robinson Pool to include therein:)

TOWNSHIP 16 SOUTH, RANGE 32 EAST, NMPM
Section 30: SE/4)
Section 31: SW/4)

BEFORE:

Mr. A. L. Porter, Jr.
Mr. Murray Morgan
Governor John Burroughs

TRANSCRIPT OF HEARING

MR. PORTER: We will take up next the nomenclature



case, Southeast New Mexico, No. 1809.

MR. PAYNE: Case 1809: Southeastern New Mexico nomenclature case calling for an order creating and extending existing pools in Lea, Eddy, and Chaves Counties, New Mexico.

ERIC ENGBRECHT

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

DIRECT EXAMINATION

BY MR. PAYNE:

Q Will the witness please state his name and position?

A Eric Enghbrecht, District Engineer of the Hobbs District.

Q Have you made a study concerning the necessity or desirability of creating and extending pools in Lea, Eddy, and Chaves Counties, New Mexico?

A I have.

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

A I recommend a new pool be created called Baish-Abo on the basis of one completed oil well. The discovery well is the Continental Oil Company M. E. Baish "A" No. 27 in Unit I of Section 21, Township 17 South, Range 32 East, completed in the Abo on September 2, 1959. The top of the perforations is at 8977.

Q What do you propose as the horizontal limits?

A It would be the Southeast Quarter of Section 21-17-32.

Q What do you propose as the vertical limits?



A The Abo formation.

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

A I recommend a new pool be created called the Fowler-Upper Silurian Formation, and there's two wells completed within this pool. The discovery well is the Pan American Petroleum Corporation South Mattix Unit No. 3 in Unit B of Section 22, Township 24 South, Range 37 East. It's completed in the Silurian Formation on February 11, 1959. The top of the perforations is at 7180. The pool's vertical limits should be the Silurian formation; the horizontal shall be the East Half of Section 22, Township 24, Range 37 East.

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

A I recommend a new oil pool be created called Monument-Tubb, and a discovery well is by Amerada Petroleum Corporation, their State "Q" No. 1 in Unit J of Section 16, Township 20 South, Range 37 East. It is completed in the Tubb on June 9, 1959. The top of the perforations is at 6455. I recommend that the vertical limits shall be the Tubb Formation; the horizontal limits shall be the Southeast Quarter of Section 16 of Township 20 South, Range 37 East.

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

A I recommend the creation of a new oil pool called the

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Canyon-Wolfcamp in Eddy County. There's one well capable of producing which is called the discovery well. It was drilled by Gordon M. Cone, Gorman State No. 1 in Unit C of Section 36, Township 19 South, Range 24 East. It is completed in the Wolfcamp Formation on July 14, 1959. The top of the perforations is at 5741. I recommend that the vertical limits shall be the Wolfcamp Formation; the horizontal limits shall be the Northwest Quarter of Section 36, Township 19 South, Range 24 East.

Q What are your recommendations concerning the extension of the East Crossroads-Devonian Pool?

A I recommend that the East Crossroads-Devonian Pool shall be extended as outlined in green, which is the North Half of the Southeast Quarter of Section 19 of Township 9 South, Range 37 East, because of one well capable of producing from the vertical limits of this pool.

Q This green outline that you are discussing, is that shown on your exhibit?

A Yes, sir, it is shown on an exhibit. The red is the present pool boundary on this exhibit.

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

A I recommend that the Culwin-Queen Pool be extended to include the Southwest Quarter of Section 31 because of one well capable of producing within the vertical limits.

Q All this acreage is in Township 18 South, Range 31 East?

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A Yes.

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

A I recommend that the Dayton-Abo Pool shall be extended as outlined in green, which includes the West Half of Section 25, South Half of Section 26, the Northwest Quarter of Section 36. There are two wells capable of producing within the vertical limits of the Dayton-Abo Pool.

Q All this acreage is in Township 18 South, Range 26 East?

A Yes.

Q What is your recommendation concerning the High Lonesome Pool?

A I recommend that the High Lonesome Pool be extended as outlined in green, which includes the Southeast Quarter of Section 12 of Township 16 South, Range 29 East. There is one well capable of producing within the vertical limits of the High Lonesome Pool.

Q What are your recommendations concerning the extension of the Little Lucky Lake-Devonian Pool?

A I recommend that the Little Lucky Lake-Devonian Pool be extended as outlined in green, which shall include the Southwest Quarter of Section 29, Township 15 South, Range 30 East. There is one well capable of producing within the vertical limits of the Little Lucky Lake-Devonian Pool.



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

A I recommend that the Red Lake-Pennsylvanian Gas Pool be extended as outlined in green, which shall include the Southeast Quarter of Section 8, the Northeast Quarter of Section 17, all within Township 18 South, Range 27 East. There is one well capable of producing within the vertical limits of the Pennsylvanian Gas.

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

A I make a recommendation that the Robinson Pool be extended as outlined in green, because four wells capable of producing within the vertical limits of the Robinson Pool. The horizontal limits to be extended are the Southwest Quarter of Section 30 and the South --

Q Southwest of 31?

A Yes, the Southwest of 31 and the Southeast of 30, Township 16 South, Range 32 East.

Q Have you prepared an exhibit substantiating your recommendation?

A Excuse me, we have one more, Addition (k), Robinson, which is on another range; the extension of the Robinson, which is in Section 11 of the Northeast Quarter of Township 17 South, Range 31 East.

Q On the basis of how many wells capable of producing?

A In Range 31, on the basis of one well capable of



producing, and in Range 32 East of two wells capable of producing.

Q Have you prepared an exhibit substantiating your recommendations?

A Yes, I have and they are designated alphabetically from A through K, and K has two sheets.

MR. PAYNE: I move for the introduction of Exhibits A through K.

MR. PORTER: Without objections the exhibits will be admitted.

Does this Robinson Pool lie along the Eddy-Lea County line where part of the wells are located in one County and part in the other?

A Yes, sir. The Township 16 South, Range 32 East are in Lea County.

MR. PORTER: In which direction is this development taking place now? It's an old pool.

A Extending the limits from the northwest and the southeast direction of the old pool.

MR. PORTER: Southeast?

A Yes, sir.

MR. PORTER: Southeast?

A Part of it is in the southern flank of the pool and part of it is in the northern flank of the pool.

MR. PORTER: Mr. Nutter.



CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Enghbricht, with reference to paragraph (c), you've recommended the creation of a Fowler-Upper Silurian Pool, and yet you called for the vertical limits to be the Silurian Formation. Do you intend for the entire Silurian formation to be vertical limits of the pool?

A Excuse me, was that in paragraph (c)?

Q (b), I beg your pardon.

A The Upper Silurian, the Fowler-Upper Silurian.

Q What would be the vertical limits?

A The Upper Silurian.

Q Or the upper portion of the Silurian?

A That is the way it is designated. Maybe we should check into that.

Q Can you tell what is different between the upper and the lower?

A Do you want to hold this open until we get it established more correctly? In that connection it is not --

MR. PORTER: I think we had better hold the case open. Let the record show that this paragraph (b) of Case 1809 will be dismissed and if it's the recommendation of the Hobbs staff, it will be readvertised as part of another nomenclature case.

Is that all we have in this case?

MR. PAYNE: Yes.



