

BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO  
April 18, 1956

IN THE MATTER OF:

CASE NO. 1055

TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**  
COURT REPORTERS  
605 SIMMS BUILDING  
TELEPHONE 3-6691  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
April 18, 1956

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IN THE MATTER OF:

CASE NO. 1055: Southeastern New Mexico nomenclature case calling for the creation of new pools and the extension of existing pools in Lea, Chaves and Eddy Counties, New Mexico:

- (a) ~~Creation of a new oil pool for Devonian production, designated as the Bell-Lake-Devonian pool, and described as:~~

TOWNSHIP 23 SOUTH, RANGE 34 EAST  
Section 31: S/2

- (b) Creation of a new oil pool for Yates production, designated as the Black-Hills-Yates pool, and described as:

TOWNSHIP 19 SOUTH, RANGE 30 EAST  
Section 32 : NE/4

- (c) Creation of a new oil pool for Mississippian production, designated as the Crossroads-Mississippian pool, and described as:

TOWNSHIP 9 SOUTH, RANGE 36 EAST  
Section 34: NW/4

- (d) Creation of a new gas pool for Wolfcamp production, designated as the Moore-Wolfcamp pod, and described as:

TOWNSHIP 11 SOUTH, RANGE 32 EAST  
Section 24: SW/4

- (e) Extension of the Brown pool to include:

TOWNSHIP 10 SOUTH, RANGE 26 EAST  
Section 25: W/2 W/2

- (f) Extension of the Caudill-Devonian pool to include:

TOWNSHIP 15 SOUTH, RANGE 36 EAST  
Section 9: S/2 S/2

- (g) Extension of the Eumont pool to include:

TOWNSHIP 19 SOUTH, RANGE 36 EAST  
Section 15: SE/4

TOWNSHIP 22 SOUTH, RANGE 37 EAST  
Section 17: SW/4  
Section 20: NW/4

(h) Extension of the Jalmat Pool to include:

TOWNSHIP 22 SOUTH, RANGE 35 EAST  
Section 1: E/2

(i) Extension of the South Knowles-Devonian Pool to include:

TOWNSHIP 17 SOUTH, RANGE 38 EAST  
Section 24: N/2

TOWNSHIP 17 SOUTH, RANGE 39 EAST  
Section 19: NW/4

(j) Extension of the Lane-Wolfcamp Pool to include:

TOWNSHIP 10 SOUTH, RANGE 33 EAST  
Section 1: SW/4  
Section 2: SE/4  
Section 11: NE/4

BEFORE:

Honorable John F. Simms, Jr.,  
 Mr. E. S. (Johnny) Walker,  
 Mr. A. L. Porter, Jr.

TRANSCRIPT OF PROCEEDINGS

MR. PORTER: The next case on the docket is Case 1055.

RANDALL MONTGOMERY,

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

DIRECT EXAMINATION,

BY MR. GURLEY:

Q State your name and position, please.

A Randall Montgomery, Geologist for the New Mexico Oil Conservation Commission.

Q Are you familiar, sir, with the proposals of Case 1055?

A Yes, sir, I am.

Q Mr. Montgomery, included in Case 1055, Paragraphs (a) through (j), are certain recommendations. Turning first to the recommendation in Paragraph (a), concerning the creation of a new oil pool for Devonian production designated as the Bell-Lake-Devonian Pool, and therein described, would you state your recommendations therein?

A I want to state that we inadvertently advertised this as a new oil discovery; actually, it is a new gas pool for Devonian production, and which I recommend be designated as advertised.

Q Is it my understanding that you asked that it be designated as a new oil pool?

A It was advertised as a new oil pool for Devonian production, but that was a mistake on our part when we advertised it. It should have been gas; it never has been an oil pool, or an oil well, or anything similiar whatsoever, it was just a clerical mistake when the thing was advertised.

MR. KITTS: I move, Mr. Secretary, that that portion of Paragraph (a), Case 1055, be readvertised.

MR. PORTER: It is so ordered that Paragraph (a) be continued until next month.

Q Continuing to Paragraph (b), creation of a new pool for Yates Production, designated as the Black-Hills-Yates Pool, what are your recommendations therein?

A Well, I recommend that we not create the pool as advertised in this name; there are no black hills in this area at all. There is some hills in the area, but they are red, and they are known

by the natives in the area as the "Red Hills," and ~~that~~ would be an inappropriate name for the pool. I recommend it be created as advertised, which is the NE/4, Section 32, T19S, R30E; basis for the recommendation is the completion in the Yates Formation by W. J. Black, State Lowe No. 1 in Unit A, Section 32, completed on 2/20/56, in the Yates Formation, with top of perforation 1,630 feet.

MR. PORTER: Mr. Montgomery, as I understand, you are recommending that the name be the Red Hills-Yates Pool?

A Yes, sir.

Q Concerning Paragraph (c), creation of a new oil pool for Mississippian production, designated as the Crossroads-Mississippian pool; what are your recommendations therein, sir?

A I recommend that the pool be created as advertised, being the NW/4, Section 34, T9S, R36E. This was due to the discovery by the MidContinent Oil Company of their No. 1 Sawyer B Well in Unit C, Section 34, Section 34, T9S, R36E, completed on 2/16/1949, in the Mississippian Formation, and depth range was in the 12-thousand to 13-thousand foot interval. That depth range is undoubtedly an error, because the Mississippian is not that deep in the area, but would have no particular purpose for the Commission anyway, because the well has been abandoned for several years. The reason for creating the pool is so that we will have a pool name to put this well in for future records.

MR. PORTER: Just one point, Mr. Montgomery. Concerning the depth range, what was the depth range that you gave?

A On the Exhibit, which I will mark as Exhibit 2, it has range 12-thousand to 13-thousand feet, but that must be an error because I'm sure that is in the depth range of the well where it was

originally completed. I'm sorry, but I don't have the interval perforations. That is an oversight on my part.

MR. PORTER: Off the record.

(Discussion off the record.)

MR. PORTER: On the record. You may continue with the balance of the case and then come back to this later on.

Q In Paragraph (e), regarding the extension of the Brown Pool, what are your recommendations there?

A In regards to Paragraph (e), I recommend that we extend the pool as advertised, due to the recent completion of the DeKalb Agricultural Association, Inc's State No. 1-25 in Unit E, Section 25, T10S, R26E, completed 1/20/56 in the Queen.

Q What are your recommendations as to Paragraph (f)?

A I recommend that the Caudill-Devonian Pool be extended due to the recent completion of the Sunray Mid-Continent Company's J. D. Graham No. 1 in Unit O, in Section 9, T15S, R36E, completed on 2/24/56, in the Devonian with top of perforation 13,524 feet, and, also, completion of the Humble Oil & Refining Company's Mayme Graham No. 1 in Unit N of Section 9, T15S, R36E, completed on 2/11/56 in the Devonian, with top of perforation 13,524 feet.

Q What are your recommendations on Paragraph (g)?

A I recommend that the Eumont Pool be extended as advertised, which is the SE/4 Section 15, T19S, R36E, due to the recent completion of the Amerada Petroleum Corporation's State WM"D" No. 1 in Unit P of Section 15, T19S, R36E, completed on 2/15/56 in the Queen with top of perforation 4,102 feet, also the completion of Amerada Petroleum Corporation's State WM"D" No. 2 in Unit I of Section 15, T19S, R36E, completed on 3/5/56 in the Queen with top of perforation

4,153 feet. Further, in T22S, R37E, I recommend we extend ~~it~~ as advertised, due to the recent completion of the Tress Oil Company's State No. 1 in Unit D of Section 20, T22S, R37E, completed on 3/3/56 in the Queen. Going further, I recommend that we include all of Section 6, which is not advertised. This is due to the recent completion of the Guy R. Zachry Downes No. 3 Well in Unit B of Section 6, T22S, R37E, which was completed in the Queen Formation.

Q And as to Paragraph (h), regarding the extension of the Jalmat Pool, what are your recommendations therein?

A I recommend that the pool be extended as advertised, and I also recommend that we extend the NE/4 of Section 14, which is not advertised. This was due to the completion of the British American Oil Producing Company's New Mexico "B" No. 3 in Unit H of Section 14, T22S, R35E, completed on 4/5/56 in the Yates Formation with top of perforation 3,862 feet.

Q What are your recommendations as to the Subparagraph (i), extension of the Knowles-Devonian Pool?

A I recommend the pool be extended as advertised, the N/2 of Section 24, T17S, R38E, due to the recent completion of the Jake L. Hamon & Warren Petroleum Corporation's W. V. Lawrence "C" No. 1 Well in Unit C of Section 24, T17S, R38E, Completed on 2/17/56 in the Devonian Formation; also on the recent completion of the J. C. Williamson Amerada-Hardin No. 1 Well in Unit B of Section 24, T17S, R38E, completed on 2/9/56 in the Devonian Formation; and in Section 19, T17S, R39E, the NW/4, Section 19, due to the recent completion of the Jake L. Hamon & Warren Petroleum Corporation's W. V. Lawrence "A" No. 1 Well in Unit D, completed on 2/18/56 in the Devonian Formation.

Q In regards to the proposed extension in Paragraph (j) of the Lane-Wolfcamp Pool, what are your recommendations therein, sir?

A I recommend the pool be extended as advertised due to the recent completion of the Humble Oil and Refining Company's New Mexico State "AM" No. 1 Well, in Unit A of Section 11, T10S, R33E, Completed on 1/25/56 in the Wolfcamp Formation with top of perforation 9,706 feet.

Q Returning to Paragraph (c), regarding the creation of a new oil pool for Mississippian production, designated as the Crossroads-Mississippian pool, do you have anything further to offer in that instance?

MR. NUTTER: I think that is in that Crossroads-Devonian Pool. It was drilled into the Devonian and I think it was dry and was perforated back up to 9695 to 9725, nine to ten thousand. That would be about the Mississippian, wouldn't it?

A It's awful high. What does it say at the top, is it a wildcat well, or undesignated?

MR. NUTTER: No, they record it as being in the Crossroads Pool.

A I'm sorry, but I'll just have to look this up and give that information.

MR. KITTS: Let the record show that Paragraph (c) of Case No. 1055 will be continued until the next regular hearing. Now, we still have Paragraph (d).

Q Going back to Paragraph (d), which we inadvertently overlooked, creation of a new gas pool for Wolfcamp production, designated as the Moore-Wolfcamp Pool, what are your recommendations?

A That the pool be created as advertised, being the SW/4,



due to the completion of the Amerada Petroleum Corporation's State M "A" No. 1 Well in Unit M of Section 24, T11S, R32E, completed on 7/14/52 in the Wolfcamp Formation with top of perforation 8,150 feet.

MR. GURLEY: We would like to introduce these exhibits as exhibits in the case.

MR. PORTER: Without objection they will be received. Are there any questions of the witness? If not, the witness will be excused.

(Witness excused.)

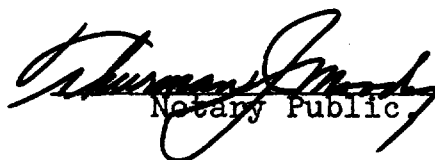
MR. PORTER: We will take the case under advisement.

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STATE OF NEW MEXICO)  
: ss  
COUNTY OF BERNALILLO)

I, THURMAN J. MOODY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the Oil Conservation Commission for the State of New Mexico 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 4th day of May, 1956, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

  
Notary Public

My Commission Expires:  
April 3, 1960

BEFORE THE  
**Oil Conservation Commission**  
SANTA FE, NEW MEXICO  
May 16, 1956

IN THE MATTER OF:

CASE NO. 1055 (a) & 1055 (c)

TRANSCRIPT OF PROCEEDINGS

DEARNLEY-MEIER AND ASSOCIATES  
COURT REPORTERS  
605 SIMMS BUILDING  
TELEPHONE 3-6691  
ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
May 16, 1956

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IN THE MATTER OF:

Southeastern New Mexico nomenclature case  
calling for the creation of a new pool in  
Lea County, New Mexico:

(a) Create a new gas pool for Devonian  
production, designated as the Bell-Lake-  
Devonian Pool, and described as:

TOWNSHIP 23 SOUTH, RANGE 34 EAST  
Section 31: S/2

Case No. 1055 (a)  
No. 1055 (c)

-----  
BEFORE:

Mr. A. L. Porter  
Mr. E. S. (Johnny) Walker

TRANSCRIPT OF HEARING

MR. PORTER: The next case is Case 1055. Mr. Montgomery,  
will you come forward?

MR. GURLEY: 1055 is the case involving the southeastern New  
Mexico nomenclature case calling for the creation of a new pool in  
Lea County, New Mexico and to create a new gas pool for Devonian  
production, designated as the Bell-Lake-Devonian Pool and described  
as: Township 23, South, Range 34 East, Section 31: S/2.

R A N D A L L M O N T G O M E R Y

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

DIRECT EXAMINATION

By MR. GURLEY:

Q Would you state your name, please?

A Randall Montgomery.

Q What is your position?

A Geologist, New Mexico Oil Conservation Commission.

Q Have you testified before this Commission before?

A Yes, sir, I have.

Q Mr. Montgomery, in your official capacity with the Commission, have you had an opportunity to study the facts involved in the creation of a new pool to be designated the Bell-Lake-Devonian Pool in Lea County, New Mexico?

A Yes, sir, I have.

Q Would you state to the Commission your conclusions and recommendations as a result of that study?

A I recommend that the Bell-Lake-Devonian Pool be created as advertised, that being the south half of Section 31, Township 23, South, Range 34 East, discovery well was completed in the field by Continental as the Bell Lake Unit No. 1-A in Unit N. of 31-23-34, completed on 4/13/55 in the Devonian Formation, the top of the perforation is 14,942 feet.

MR. GURLEY: We thank you. I guess we can carry on with 1055 (c). I will go ahead on that.

Q Mr. Montgomery, in your official capacity with the Commission, have you had an opportunity to study the proposed creation of a new pool for Mississippian designated as the Crossroads-Mississippian Pool?

A Yes, sir, I have.

Q Would you state to the Commission your conclusions and recommendations therein?

A I recommend that the pool be created as advertised, that being the northwest quarter of Section 34, Township 9 South, Range 36 East. There was some controversy in my mind last month as to

whether this was Mississippian Formation or not due to wells being a short distance to the north encountering the Devonian five or six hundred feet higher. I have re-examined the area and although there is no positive statement that I can make, that is definitely Mississippian in age, that the evidence tends to indicate that it is Mississippian and is definitely not Devonian in age.

It is probably in the fault zone that this well undoubtedly cut while being drilled the tridell zone. I recommend that the pool be created and the discovery well was the Mid-Continent U. D. Sawyer "B" No. 1 in Unit C of Section 34, Township 9 South, Range 36 East, completed in 2/16/1949 in the Mississippian formation. Top of the performance 12,380 feet.

MR. GURLEY: That is all for that case. Do you have exhibits to introduce?

A Yes, sir, I have. I would like to mark that creation called the Bell-Lake-Devonian Gas as Exhibit No. 1. I also would like to mark the Crossroads-Mississippian as Exhibit 2, which I have marked.

MR. GURLEY: We would like to introduce in evidence at this time Exhibits 1 and 2.


MR. PORTER: Without objection they will be received. We will take the case under advisement. We will move on to Case 1070.

C E R T I F I C A T E

STATE OF NEW MEXICO   )  
                              :   SS  
COUNTY OF BERNALILLO   )

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 22nd day of May, 1956.

  
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Notary Public-Court Reporter

My commission expires:  
June 19, 1959.