

BEFORE THE

**Oil Conservation Commission**

SANTA FE, NEW MEXICO  
November 17, 1954

IN THE MATTER OF:

CASE NO. 789 - Regular Hearing

TRANSCRIPT OF PROCEEDINGS

**ADA DEARNLEY AND ASSOCIATES**

COURT REPORTERS

ROOMS 105, 106, 107 EL CORTEZ BUILDING

TELEPHONE 7-9546

ALBUQUERQUE, NEW MEXICO

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
November 17, 1954

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IN THE MATTER OF:

The application of Kersey & Company for approval of a water-injection progress for secondary recovery.

Applicant, in the above-styled cause, seeks an order approving its proposed water-injection program for secondary recovery of oil from Kersey & Company's Thompson-State Wells No. 1, No. 2, No. 3 and No. 4 (formerly operated by Delhi Oil Corporation), all of which are located in SW/4 Section 20, Township 17 South, Range 28 East, Eddy County, New Mexico, in the Red Lake Pool; applicant proposes to drill for injection purposes a fifth well, its Thompson-State No. 5, as a centrally located "five-spot" location, and utilize an injection zone in the Grayburg formation at an appropriate depth of 1850 to 1950 feet.

Case No. 789

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BEFORE:

Honorable Edwin L. Mechem  
Mr. E. S. (Johnny) Walker  
Mr. William B. Macey

TRANSCRIPT OF HEARING

MR. MACEY: The next case on the docket is Case 789. Mr. Kersey, do you have a statement you want to make?

MR. KERSEY: Yes, I want to explain what we propose to do. This is an application for secondary recovery on the southwest quarter of Section 20, Township 17 South, Range 28 East, Eddy County, New Mexico. The production in the area is practically depleted and we propose to initiate a secondary recovery with water

flood, by drilling an orthodox location "five-spot", between four existing wells. Upon drilling this well we will have the cores analyzed and see if water flooding is possible, and if it is we will inject water then in the four existing wells and use the core-holes as a production hole. We have an adequate supply of water, about six to seven hundred barrels a day, and the approval of the adjacent operators have been obtained. We are more or less in the middle of our acreage, so that there is not too much acreage that is adjacent to our operation. That about covers the proposal, I believe. It is in the Grayburg section, the section varies from ten to 30 feet in thickness.

MR. MACEY: To your knowledge there has never been any water flooding tried in this area in the Grayburg?

A No, there hasn't been any tried in this area. This will be its first trial. It is problematical, of course, as to how successful it will be.

MR. MACEY: To review what you said, Mr. Kersey, as I understand it you are going to, if the cores indicate that a flooding program is feasible, you are going to inject water into Wells No. 1, 2, 3 and 4?

A That is right.

By:MR. MACEY: And produce the well to be drilled?

A The well to be drilled, it will be the production hole, the well to be drilled.

Q What are you going to call that proposed well, are you going to have a number?

A Yes, it will be Thompson No. 5.

Q Do you have any idea what might be done regarding the allow-

able, you are going to abandon four 40-acre tracts?

A Yes, I would presume at a later date when we see what its success will be we should probably be entitled to an allowable for 160 acres, since we are using 160 acres as a trial, for the trial flood. However, I am not going to ask for that now.

MR. MACEY: You are going to wait and see?

A Going to wait and see.

MR. MACEY: That is all I have. Any questions of the witness? If not the witness may be excused.

(Witness excused.)

MR. MACEY: Before we proceed with the next case, we have a number of copies of suggested Rules in Case 790. I think it would be advisable if we handed those out to the people that are present and let you examine them during the noon hour and then we will take the case up when we come back from recess.

(Recess.)

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 23rd day of November, 1954.

  
Notary Public, Court Reporter

My Commission Expires:

June 19, 1955