

BEFORE THE  
OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
Santa Fe, New Mexico

October 17, 1957

TRANSCRIPT OF HEARING

Case 1324

DEARNLEY - MEIER & ASSOCIATES  
INCORPORATED  
GENERAL LAW REPORTERS  
ALBUQUERQUE, NEW MEXICO  
3-6691 5-9546

BEFORE THE  
OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
Santa Fe, New Mexico

October 17, 1957

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IN THE MATTER OF: :

Application of Graridge Corporation for an order :  
authorizing capacity production for its pilot :  
water flood project in the Caprock-Queen Pool, :  
Lea County, New Mexico. Applicant, in the above- :  
styled cause, seeks an order authorizing capacity : Case  
production of all its wells in its pilot water : 1324  
flood project authorized by Order R-972 in :  
Section 31, Township 12 South, Range 32 East, :  
Caprock-Queen Pool, Lea County, New Mexico. :  
-----:

BEFORE: Honorable Edwin L. Mechem  
Mr. Murray Morgan  
Mr. A. L. Porter

TRANSCRIPT OF HEARING

MR. PORTER: The meeting will come to order, please. The  
Commission will consider next Case 1324.

MR. COOLEY: Application of Graridge Corporation for an  
order authorizing capacity production for its pilot water flood pro-  
ject in the Caprock-Queen Pool, Lea County, New Mexico.

MR. CAMPBELL: Jack M. Campbell, Campbell and Russell,  
Roswell, New Mexico, appearing on behalf of the Applicant. I  
would like to offer some basic testimony here, and at the conclusion  
of that I'll make an appropriate motion to the Commission. I  
would like to call Mr. Vick as a witness.

MR. COOLEY: Will he be the only witness?

MR. CAMPBELL: Yes, I think so.

(Witness sworn.)

ROBERT H. VICK

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

DIRECT EXAMINATION

By MR. CAMPBELL:

Q Will you state your name, please?

A Robert H. Vick.

Q Where do you live, Mr. Vick?

A In Breckenridge, Texas.

Q By whom are you employed?

A By the Graridge Corporation.

Q In what capacity?

A As a Water Flood Engineer.

Q Are you, in your capacity as an engineer for that company, acquainted with the pilot water flood program of Graridge, Great Western and Gulf in the Caprock-Queen Field in Lea and Chaves Counties, New Mexico?

A I am.

(Marked Graridge's Exhibit No. 1,  
for identification.)

Q Mr. Vick, I hand you what has been identified as Applicant's

Exhibit 1 and ask you to state what that is, please.

A It's a portion of the total Caprock Field comprising mainly the northeast, approximate one-third of the total field which is the old depleted portion of the Caprock-Queen Pool.

Q I notice there that there is an area outlined in red lines composing, what area is that?

A It's a portion of Section 31, small bed of Section 32, in 12, I mean 12, 32, Township 12, Range 32 in Lea County, New Mexico and also a portion of Section 6 and Section 5 in Township 13, Township 13, Range 32, also in Lea County, New Mexico.

Q I notice there are certain wells within that area which are colored in red. What are those wells?

A Well, this is an outline of the pilot water flood as approved by the Commission under Order No. R-972 which granted Graridge, Gulf and Great Western to install this pilot water flood of six injection wells with twelve affected producing wells, all being in the Queen sand reservoir at approximately 3,000 feet deep and which is producing in this general area.

Q Mr. Vick, are you generally acquainted with the present status of the production from the twelve wells that are outlined in the Exhibit 1 which you have just referred to?

A I am.

Q Will you state whether there are any wells at this time within the boundaries of that area that are capable of producing

in excess of a single top unit allowable?

A Yes, sir, there are several. Well, the Gulf Lee State B No. 1. These tests are current tests and were taken during the first part of the month of October preceding this meeting. The Gulf Lee State B No. 1 tested at 90 barrels of oil per day with no water production, with a pumping fluid level at 1900 feet in the well.

Q Any other well in that area of those twelve producing wells?

A Graridge Livermore State G No. 6 also in the pilot area. The current test on it is 48.52 of oil and zero of water.

MR. CAMPBELL: Do you have any cross examination?

CROSS EXAMINATION

By MR. HINKLE:

Q I would just like to ask him the area that you have shown in red on Exhibit No. 1, that is Exhibit 1, Jack?

MR. CAMPBELL: Yes.

Q Is that the area that you considered to be the pilot flood area?

A Yes, sir.

Q The area which you are talking about consists of twelve producing wells and six injection wells, is that right?

A Yes, sir. As outlined under the original order by the Commission.

Q You consider that the limits at this time of the pilot area?

A Yes, sir.

MR. CAMPBELL: Do you have a question, Mr. Cooley?

MR. COOLEY: Yes.

By MR. COOLEY:

Q I would like to know how many 40 acre units are involved.

A That is 720 affected acres.

Q 720?

A Yes.

MR. CAMPBELL: Affected acres because of the corners.

Q That would be eighteen 40 acre top unit allowables?

A Yes.

MR. CAMPBELL: Based upon the testimony of this witness, I would like to request that the Commission enter it's interim order authorizing the allocation of eighteen, no more than eighteen top unit allowables to the pilot water flood area as defined in Exhibit 1, and that the Commission continue this case to the hearing of additional testimony to such time as the Commission may set, and that this order provide that it shall remain in effect until further order of the Commission.

MR. HINKLE: Humble has no objection to entering an order of that kind.

MR. NUTTER: Mr. Campbell, your motion was to authorize eighteen-40 acre top unit allowables to the pilot area as outlined on Exhibit No. 1?

MR. CAMPBELL: To the eighteen wells on the unit, yes.

MR. NUTTER: Should the order also include the authorization of production from any well or wells within that unit?

MR. CAMPBELL: Yes.

MR. NUTTER: Thank you.

MR. CAMPBELL: Thank you.

MR. PORTER: Are there any other persons wishing to make an appearance in this case?

MR. WEBB: Layton Webb, Sinclair Oil and Gas Company from Midland. We plan to take an active part in the case.

MR. PORTER: Do you agree with the counsel's motion?

MR. WEBB: Yes.

MR. SELINGER: George Selinger, Skelly Oil Company; Skelly is an interested operator in the Caprock-Queen Pool and has no objection to the order.

MR. SMITH: Smith with Ambassador Oil Company. We plan to take an active part and we have no objection.

MR. PORTER: Anyone else who wishes to make an appearance who hasn't done so?

MR. CAMPBELL: I would like to have the record show that I offered Applicant's Exhibit No. 1 in evidence.

MR. PORTER: Without objection Exhibit No. 1, Applicant's Exhibit No. 1 will be admitted.

The Commission will continue this case to 9:00 A. M. October 28, which is on Monday. It is the decision of the Commission

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 25<sup>th</sup> day of October, 1957.

John Seawley  
Notary Public-Court Reporter

My commission expires:  
June 19, 1959.