

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

September 11, 1962

EXAMINER HEARING

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
ONE 243-6691

IN THE MATTER OF:

Application of General American Oil Company of Texas for expansion of a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks expansion of its waterflood project in the Loco Hills Pool by the conversion to water injection of its Beeson "F" Well No. 10, located in Unit B of Section 31, Township 17 South, Range 30 East, Eddy County, New Mexico.

CASE NO. 2633

BEFORE:

Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case Number 2633.

MR. DURRITT: Application of General American Oil Company of Texas for expansion of a waterflood project, Eddy County, New Mexico.

MR. RUSSELL: John F. Russell of Campbell & Russell, Roswell, New Mexico, appear on behalf of the Applicant. We have one witness at this time to be sworn.

(Witness sworn.)

MR. UTZ: Are there other appearances in this case? You may proceed.

RAYMOND MILLER

called as a witness herein, having been first duly sworn on oath, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. RUSSELL:

Q Will you please state your name, your address, by whom you are employed and what your position is?

A Raymond Miller, Artesia, New Mexico. I am the New Mexico District Engineer for General American Oil Company of Texas.

Q Have you previously qualified as an expert with this Commission?

A I have.

Q Are you familiar with the Application which has been filed in Case Number 2633?

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A I am.

Q Will you briefly describe what you seek to accomplish by the Application?

A We are asking permission from the Commission to add an additional injection well within the limits of the waterflood project which they have previously approved under Order Number R-2031. This well was depicted here.

MR. RUSSELL: One moment.

MR. UTZ: Is there any difference in this map and the one presented with the Application?

A (The witness) No, sir. It's identical.

Q (By Mr. Russell) Will you please tell the Examiner what that plat reflects?

A Well, it shows the location of the proposed injection of the well, the Beeson "F" No. 10, which is 990 from the north line and 1650 from the east line, Section 31, Township 17 South, Range 30 East. It also shows all the wells within a two-mile radius of this proposed injection well and shows the formation or formations from which they are producing or have produced.

Q Now, this well is located within a presently approved waterflood project, is it not?

A Yes, sir, it is.

Q At the time of the original Application, this was not included in the Application for an injection well?

A It was not.

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Q Will you please explain why?

MR. UTZ: Will you please tell us the location of that again?

A 990 feet from the north line and 1650 feet from the east line, Section 31, Township 17 South, Range 30 East.

MR. UTZ: Will you give us the number of the well again?

A The Beeson "F" 10.

MR. UTZ: Okay, thank you.

A This well was originally drilled in 1944 as a dry hole and at the time of our original Application for waterflooding we did not think it would be a successful injection well. Since then, we have drilled the Beeson "F" No. 15, which is approximately 660 feet south and some 200 feet east of this well and the sand, the Loco Hills sand is encountered in Well 15 and this encouraged us to believe that Beeson Well No. 10 would be a successful injection well.

(Whereupon Applicant's Exhibit No. 1 and 2 were marked for identification.)

Q (By Mr. Russell) Referring you to what has been marked Exhibit No. 2, I hand it to you and ask you to explain what that is?

A That is a log of the well as filed with the U. S. Geological Survey at the time the well was planned. It shows the casing program and also the formations encountered here in the driller's log, the drilling log.

Q To what depth?

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A 3391 feet.

Q And was the proposed well, was it a producing well?

A No, sir. It was plugged and abandoned.

(Whereupon Applicant's Exhibit No. 3 was marked for identification.)

Q Now, I refer you to Exhibit No. 3 and ask you to identify that and explain that?

A That is a status sheet showing the condition of the well at the present time. It also shows the geologic properties of the well and also outlines in brief our proposed conversion program.

Q Will you briefly outline that?

A We propose to drill out cement and wooden plugs. We propose to clean out old six quarter inch shoulder amount 2921 radio activity and caliper log at this depth and we will run approximately 250 to 300 feet of seven inch OD casing as a liner from 2671 to 2921 and cement it from the bottom to the top.

Q Now, after conversation with the State Engineer, you have agreed that the liner will be run from 2621 to 2921?

A Yes, sir. That is correct. Of course, I might point out the exact depth this liner will be run should be determined after we run the caliper back, primarily to make sure the top of it is not in a large hole. It will be at least 2621, however, it might be higher.

Q Do you request the Commission to allow you to amend the casing program which was submitted with the Application to

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read 2900?

A I think it shows approximately, depending upon the-- just the size, but it will be at least to that height.

Q What is the source of water for this proposed injection well?

A We will use the water that is now being injected in the other seven inch injection wells in the project we purchased from the Caprock Water Company.

Q Will that be fresh water?

A Fresh water.

Q What will the injection rate be?

A From 500 to a thousand barrels of water a day, that is the rate at which our lease line cooperative agreement calls for in the other wells.

Q What zones or formation and what depth do you propose to inject the water?

A Although the company qualifies in the San Andres-Grayburg formation and from 1000 to 2820' in this particular well.

Q Were Exhibits No. 1, 2 and 3 prepared by you or under your supervision?

A They were.

MR. RUSSELL: I would like to offer Exhibits 1, 2 and 3 in evidence at this time.

MR. UTZ: Without objection, they will be entered into the record.

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Q (By Mr. Russell) Is there anything further not in the Application that you would like to say at this time?

A No.

MR. RUSSELL: Mr. Examiner, that concludes our direct.

MR. UTZ: Once more, could we have the location of this?

A (The Witness) 990 from the north and 1650 from the east of Section 31. I believe it is on the status sheet there, Mr. Utz, right at the top of it and on the well log.

MR. UTZ: Yes, it is. All right.

CROSS EXAMINATION

BY MR. UTZ:

Q Is this capacity flood?

A Yes, we have a buffer zone set up from producing wells in there and as the off-set flood is a capacity flood, we are receiving capacity allowable.

Q Is this well in the buffer zone?

A No, it's outside.

Q Outside?

A Yes, sir.

MR. UTZ: Are there any other questions? If not, the witness is excused. Are there any other statements in this case? The case will be taken under advisement.

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