

BEFORE THE  
**Oil Conservation Commission**

SANTA FE, NEW MEXICO  
Hobbs, New Mexico  
October 20, 1954

IN THE MATTER OF:

CASE NO. 764- 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  
Hobbs, New Mexico  
October 20, 1954

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IN THE MATTER OF:

The application of Amerada Petroleum Corpora-  
tion for approval of a salt-water disposal  
project.

Applicant, in the above-styled cause, seeks  
authority to operate its previously abandoned  
L. Cooper Well No. 1, NW/4, NW/4 Section 2,  
Township 17 South, Range 38 East, in the  
Knowles Pool, Lea County, New Mexico, as a  
salt-water disposal well, after drilling out  
cement plugs and recompleting the well in  
such manner that an injection zone may be  
utilized in the San Andres formation at a  
depth of 6220-6500 feet.

Case No. 764

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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 764.

MR. WOODWARD: This is the application of Amerada for  
authority to dispose of salt water in Cooper No. 1, located in the  
Knowles Field.

R. S. CHRISTIE,

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

DIRECT EXAMINATION

By MR. WOODWARD:

Q Mr. Christie, will you state your full name, please?

A R. S. Christie.

Q Where do you live?

A Tulsa, Oklahoma.

Q By whom employed and in what capacity?

A Amerada Petroleum Corporation as an engineer.

Q Have you previously testified before this Commission in your capacity as a petroleum engineer, and as an expert witness?

A Yes, I have.

Q Are the witness's qualifications accepted by the Commission?

MR. MACEY: They are.

Q Mr. Christie, Amerada's Exhibit A in Case 764 has been submitted to the Commission. Are you familiar with that Exhibit?

A Yes, sir.

Q Will you state what it shows, please?

A Exhibit A is a map of the Knowles Field, showing all the producers and the dry holes, including the L. Cooper No. 1, which is subject to this application.

Q As shown by Exhibit A, where is the injection well located?

A The injection well is in the northwest quarter of the northwest quarter of Section 2, Township 17 South, Range 38 East.

Q How was this well initially completed?

A The Cooper No. 1 was originally drilled to the Devonian, 12,620 feet. It was found uneconomical and was plugged and abandoned.

Q What is the source of the salt water that you propose to inject into this well and approximately what volume of injection do you anticipate?

A At the present time we are producing approximately 500

barrels of water from the Devonian producers, and we propose to inject that amount at the present time. We anticipate that that volume will increase to perhaps as much as 5,000 barrels.

Q How do you propose to recomplete this well as a salt-water injection well?

A We propose to drill out the plugs that have been located in the well for abandonment, set another plug at approximately 6,500 feet, run a string of five and a half casing down to 12,622 feet, or rather 6,220 feet, and cement it with 300 sacks. We will then acidize the open hole between 6,220 and the plug at 6,500, and inject the salt water at that interval.

Q Amerada's Exhibit B has been submitted to the Commission. Will you tell what it shows, please?

A Exhibit B is a Schlumberger log of this Cooper No. 1, and I have indicated on the log the San Andres Formation and the zone through which we are going to inject the water.

MR. WOODWARD: Amerada's Exhibits A and B are offered into evidence.

MR. MACEY: Is there objection to the introduction of evidence of Amerada's Exhibits A and B in Case 764? If not they will be received.

Q You have stated that the San Andres is the formation through which you propose to inject this salt water?

A No, the San Andres does not produce oil in the Knowles Field.

Q Will the injection of salt water, by the method you have proposed, result in any waste or injury to correlative rights?

A No.

MR. MACEY: Are there any further questions of the witness?  
If no further questions of the witness, the witness may be excused.

(Witness excused.)

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 Hobbs, 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 5th day of November, 1954.

  
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Notary Public, Court Reporter

My Commission Expires:  
June 19, 1955