

BEFORE THE
Oil Conservation Commission
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 756

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
STATE OF NEW MEXICO
Santa Fe, New Mexico

August 18, 1954

IN THE MATTER OF:

The application of Amerada Petroleum Corp-
oration for the establishment of an unor-
thodox proration unit in the S/2 of the
NE/4 of Section 11, Township 13 South,
Range 38 East, NMPM, Bronco-Siluro-Devon-
ian Pool, Lea County, New Mexico, being the
SW/4 and Lot 2 of said quarter-section,
containing 66.61 acres, more or less.

Case No. 756

TRANSCRIPT OF HEARING

MR. MACEY: The next case on the docket is Case 756.

MR. WOODWARD: John Woodward, appearing for Amerada
Petroleum Corporation. Our witness will be Mr. R. S. Christie.

R. S. CHRISTIE

having been first duly sworn, testified as follows:

DIRECT EXAMINATION

By MR. WOODWARD:

(Marked Amerada's Exhibits No. 1
and 2 for identification.)

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

A R. S. Christie.

Q Where do you live? A Tulsa, Oklahoma.

Q By whom are you employed and in what capacity?

A Amerada Petroleum Corporation, Petroleum Engineer.

Q Have you previously testified before this Commission in
your capacity as an expert witness as a Petroleum Engineer?

A Yes, sir.

MR. WOODWARD: Are Mr. Christie's qualifications accepted?

MR. MACEY: They are.

Q Amerada's Exhibit 1 was placed on the board. Was this Exhibit prepared under your direction and supervision?

A Yes, sir.

MR. WOODWARD: We would like to submit Exhibit 1 in evidence.

MR. MACEY: Is there objection to the introduction of this Exhibit? Without objection it will be received.

Q Mr. Christie, will you explain what Exhibit 1 shows?

A Exhibit 1 shows the Bronco-Siluro-Devonian Field in the States of New Mexico and Texas where all completed and drilling wells at the present time and the unorthodox proration unit sought, outlined in red as shown on Exhibit A. The hatched outline shown on Exhibit A is merely a drilling unit and has no reference to this case.

Q Mr. Christie, does the area outlined in red represent the south half of Section 11?

A Yes, sir.

Q What is the acreage content of that area?

A The acreage content is made up of the southwest quarter, of the southeast quarter which is 40 acres, and a lot along the correction line of 26.61 acres known as lot 2 in the southeast quarter.

Q How many acres does lot 2 contain?

A Lot 2 contains 26.61 acres. It would make a total of 66.61 acres for this unorthodox proration unit.

Q This deficiency in the south half of the northeast quarter is due to a correction along the survey, along the boundary

line between New Mexico and Texas, is that correct?

A Yes, sir, that is correct.

Q Mr. Christie, what area, I believe this Exhibit shows a well, a Federal B No. 1 in the center of the southwest quarter of the northeast quarter of the section, is that correct?

A Yes, sir, that is correct.

Q In what formation is that well completed?

A It is completed in the Devonian formation.

Q What area, in your opinion, does that area efficiently and economically drain, Mr. Christie?

A It will drain in excess of 66.61 acres.

Q On what do you base that opinion?

A It is based on production history and productivity index tests.

Q Do those tests reflect the porosity and permeability of the Devonian in this area?

A Yes, sir, they do. They particularly reflect permeability.

Q What are your recommendations concerning the allowable for this unorthodox proration unit if it is established?

A I recommend that the allowable be established on the basis of 66.61 acres.

Q In your opinion will such a unit and allowable prejudice correlative rights?

A No, sir.

Q In your opinion would it result in waste?

A No, sir.

Q Will it prevent the drilling of unnecessary wells, in your opinion?

A Yes, it will.

MR. WOODWARD: We have no further direct testimony in

this matter.

A I might put into the record that we produced this well at the approximate rate that it would be assigned, which is about 380 barrels. We had a drop of approximately 275 pounds flowing at that rate, which would give a productivity index of about 2.3.

MR. MACEY: Are there any questions of the witness?

Mr. Christie, do you know of the provisions of the Pool Rules which exist in the Bronco-Siluro-Devonian Pool which would prevent this Commission from approving your application?

A No, sir, I do not.

MR. MACEY: You don't think the State of Texas would get mad if we approved it?

A No, sir, Mr. Macey.

MR. MACEY: If no further questions of the witness, the witness may be excused. Any further statements or evidence in the case?

MR. WOODWARD: No further evidence.

(Witness excused.)

MR. MACEY: If not, we will take the case under advisement.

C E R T I F I C A T E

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings in the matter of Case No. 756, were taken by me on August 18, 1954, that the same is a true and correct record to the best of my knowledge, skill and ability.


Reporter