

BEFORE THE
OIL CONSERVATION COMMISSION
DECEMBER 10, 1958

IN THE MATTER OF:

APPLICATION OF TIDEWATER OIL COMPANY, CASE 1561

TRANSCRIPT OF HEARING

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IN THE MATTER OF:)

Application of Tidewater Oil Company for a)
dual completion. Applicant, in the above-)
styled cause, seeks an order authorizing)
it to dually complete its A. B. Coates "C")
Well No. 17, located in the SE/4 NE/4 of Sec-)
tion 24, Township 25 South, Range 37 East,)
Lea County, New Mexico, in such a manner as)
to permit the production of oil from the)
Justis-McKee Pool and oil from the Justis-)
Ellenburger Pool through parallel strings of)
tubing.)

Case 1561

BEFORE:

Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

MR. NUTTER: The next case on the docket will be
Case 1561.

MR. PAYNE: Case 1561, Application of Tidewater
Oil Company for a dual completion.

MR. SETH: Oliver Seth appearing for Tidewater. We
have just one witness. (Witness sworn.)

R. N. MILLER

the witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. SETH:

Q State your name, please?

A R. N. Miller.

Q By whom are you employed and in what capacity?

A Tidewater Oil Company as a petroleum engineer in Hobbs.

Q Are you familiar with Tidewater's application in this case 1561?

A Yes, sir, I am.

Q Have you testified previously before the Commission?

A Yes, sir.

MR. SETH: May he testify as an expert witness?

MR. NUTTER: Yes, sir, proceed.

Q (By Mr. Seth) Would you state, please, the general purpose of the application and the location of the well which is the subject of this application?

A The purpose of the application is to dually complete with two strings of tubing Tidewater Oil Company's A. B. Coates "C" Well Number 17, located in the southeast quarter of the north-east quarter of Section 24, Township 25 South, Range 37 East, in the Justis-Ellenburger and the Justis-McKee Oil Pool.

Q What is the completion situation on this well?

A This well was drilled to a total depth of 7950 feet with seven inch casing set at 7909 and cemented back to 5550. There was an intermediate string, 9 5/8 inches, set at 3316 feet, cemented to the surface. The surface string was set at 516 feet, 13 3/8. We propose to set a Baker Model D Production Packer at approximately 7700 feet and run 2 3/8 Nominal Vex through the Ellenburger section and run at 2 3/8 Hydril through the McKee,

producing the Ellenburger 7909 to 7950 open hole, and the McKee approximately 7210 to 7320 in the seven inch perforation.

Q Can you tell me, is this proposal similar to other installations in this general area?

A Other than the zones that the well will be completed in, it is almost identical to many other completions in the area, all of which have been very successful.

Q Would you state the characteristics of the two different pools?

A The Ellenburger produces 45 degree API gravity, has a gas-oil ratio of 1100 to one. The Ellenburger has currently a bottom hole pressure of 1350 psi. The McKee section produces oil with a gravity of 42 degrees API with a gas-oil ratio of a thousand to one approximately, and the current bottom hole pressure is 2770 psi.

Q Do you have a diagram of the proposed installation?

A Yes, sir.

(Marked Tidewater Oil Company Exhibit 1 for identification.)

Q Now, state briefly what this proposed diagram shows?

A The diagrammatic sketch shows the proposed completion of A. B. Coates Tidewater 17 dually as a Justis-McKee and Justis- Ellenburger Well.

Q Is there anything unusual about the installation shown on Exhibit One?

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A No, sir.

Q What is the approximate pressure differential across the packer?

A Across the packer it would be approximately 200 pounds. Actually, from the datum of the McKee to the datum of the Ellenburger would be 380 psi.

Q Is this type of packer capable of preventing leakage?

A Yes, sir, it will stand a greater differential than that.

Q Is there anything unusual about the sweet or intermediate grade crude?

A They are intermediate grade crudes. This location can be assumed to be productive as the Ellenburger tested 175 barrels of oil in three and a quarter hours on half inch choke or 1200 barrels a day. On a DST in this well through the McKee section, the well flowed an average of 27 barrels an hour for a three hour test.

Q If this application is granted, will it result in a prevention of waste and a saving of materials?

A Yes, sir, it will save over \$75,000 over the cost of drilling an additional well to produce the McKee section.

Q Is there anything further you'd like to state to the Commission in connection with this application?

A No, sir. I do have -- we have another exhibit here showing the location of the well.

Q You have a plat showing the location?

A Yes, sir, and the dedicated 40-acres.

(Marked Tidewater Oil Company
Exhibit 2 for identification.)

Q Were both of these prepared under your direction and supervision?

A Yes, sir.

MR. SETH: We'd like to move the introduction of Exhibits One and Two.

MR. NUTTER: Any objection to the introduction of Tidewater's Exhibits One and Two? If not, they will be admitted in evidence.

MR. SETH: That's all the direct we have.

MR. NUTTER: Are there questions of Mr. Miller? If not, he will be excused.

(Witness excused.)

MR. NUTTER: Does anyone have anything further he wishes to offer in case 1561? We will take the case under advisement, and we will take the next case.
