

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

Case No. 1628

TRANSCRIPT OF HEARING

APRIL 8, 1959

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BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

Case No. 1628 Application of Tidewater Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its A. B. Coates "C" Well No. 22 located in the NW/4 NE/4 Section 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-Blinebry Oil Pool and the production of oil from the Justis-Montoya Oil Pool through parallel strings of 2-3/8 inch tubing.

Room 109
Santa Fe, New Mexico
April 8, 1959

BEFORE:

E. J. Fischer, Examiner.

TRANSCRIPT OF HEARING

MR. FISCHER: We will take up next Case 1628.

MR. PAYNE: Case 1628, "Application of Tidewater Oil Company for an oil-oil dual completion."

MR. SETH: Oliver Seth appearing for Tidewater. We have Mr. Miller as a witness.

(Witness sworn in.)

ROBERT M. MILLER

Called as a witness, having first been duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. SETH:

Q Will you state your name, please, for the record, and your position with the company?

A Robert M. Miller, area petroleum engineer with Tidewater Oil Company in Hobbs, New Mexico.

Q Are you familiar with the application in this case?

A Yes, I am.

Q Have you previously testified before the Commission?

A Yes, sir.

MR. SETH: May he testify as an expert?

MR. FISCHER: Yes.

Q (By Mr. Seth) Would you state, please, to the Examiner, the location of the proposed well and the general purpose of the application?

A The purpose of the application is for Tidewater Oil Company to receive an order authorizing a dual completion of its A. B. Coates "C" Well Number 22 located 660 feet from the north line and 2310 feet from the east line of Section 24, Township 25 South, Range 37 East, in Lea County in the Blinberry and Montoya formations.

Q Do you have a plat showing the location of the--

A Yes.

Q --the well, the subject well?

A Yes, sir.

(Thereupon, the document was marked as

Tidewater's Exhibit Number
One for identification.)

Q (By Mr. Seth) Would you point out, referring to Applicant's Exhibit Number One, would you state to the Examiner what the exhibit shows?

A This exhibit is a portion of the Justis multipools area showing the forty acres dedicated to the subject well outlined in red, the well being the A. B. Coates "C" No. 22.

Q The well is designated No. 22 on the exhibit, is that right?

A Yes sir, it is located in Unit B.

Q When was the well commenced and completed?

A This well was spudded on January 24th of this year and drilled to a total depth of 6881. Drilling was completed on March 8, 1959 with completions in both the Blinebry and Montoya formations.

Q Would you outline briefly the casing program that was followed on this well?

A There was --

Q Excuse me, do you have an exhibit --

A Yes.

Q --that shows that?

A Yes, sir.

(Thereupon, the document
was marked as

Tidewater's Exhibit
Number Two for identi-
fication.)

A There was thirteen and three eighths inch casing set at 433 feet and cemented to the surface, nine and five eighths inch casing set at 3306 and cemented to the surface and seven inch casing set at 6795 and cemented back to 2845.

Q (By Mr. Seth) Is this data shown on Exhibit Number Two?

A Yes, sir, it is.

Q Is there anything unusual about the completion or the casing program?

A No sir, there is not.

Q Also referring to Exhibit Number Two, would you describe briefly the mechanical --

A There is a Baker Model D Production Packer set at 6485, the long string of tubing was run with a Baker parallel tubing anchor at 5524, there was two and three eighths inch tubing to the Montoya Section that were set at 6857, there was two and three eighths inch OD tubing ran into the Blinebry section and latched in the Baker parallel tubing anchor at 5524. The Blinebry perforations are from various zones within the interval of 5314 to 5443. The Montoya is producing from open hole, 6795 to 6881.

Q The Blinebry zone on the completion, was that treated?

A Yes sir, it was treated with five hundred gallons

of mud acid and fractured with fifteen thousand gallons of lease oil and fifteen thousand pounds of sand and fifteen hundred pounds Adomite per gallon. The potential after treatment was 74.25 barrels of 37 degree oil, no water in seventeen hours on an 18/64 inch choke. The gas-oil ration was 488 to 1.

Q Do you have some similar data on the other zone?

A Yes sir, the Montoya Section had a natural production test at 225 barrels of 39 degree gravity oil, no water in twelve hours through a 1/4 inch choke with a gas-oil ratio of 470 to 1.

Q Does this method of completion and casing and cementing program effectively separate the two zones?

A Yes, sir; if it doesn't, the packer will.

Q What approximately is the pressure difference on the packer?

A The differential is 470 pounds, the bottomhole pressure of the Blinebry is 2323 PSI and the Montoay is 2730.

Q Is that well within the limits of that packer?

A Yes sir, that's well within the designated limits of the Baker Model D Production Packer.

Q Is this a typical dual completion or is there anything unusual about it?

A No sir, it is similar to what we have in other wells.

Q Is it so arranged that tests may be run from time to time as requested by the Commission?

A Yes sir, it is.

Q In your opinion, does this type of completion at this location prevent waste?

A Yes, sir.

Q And how, in what way does it prevent waste?

A By the eliminating of an additional well and of such savings that would run sixty thousand dollars.

Q And how about its abandonment in time?

A Probably the well will be produced longer in the end because of the two zone producing from one well bore.

Q Is there any thing peculiar about the oil characteristics of the oil, is it sour or --

A No sir, both are classified as sweet or intermediate by the pipeline company, and so are both zones producing on the offsetting leases.

Q Do you have anything further you would like to present to the Examiner on this?

A No, sir.

MR. SETH: That's all our direct. We would like to offer Exhibits 1 and 2.

MR. FISCHER: Without objection, they will be accepted.

Any questions of Mr. Miller?

MR. NUTTER: Yes, sir.

MR. FISCHER: Mr. Nutter?

MR. NUTTER: Mr. Miller, you may have already stated the gravity, but would you repeat it, please?

A The gravity of the Blinebry is 37° API and the Montoya is 39.

MR. NUTTER: Thank you.

MR. FISCHER: Any other questions?

CROSS EXAMINATION

BY MR. FISCHER:

Q Do either one of these formations produce any water at the present time, Mr. Miller?

A No.

Q Do they both flow?

A Yes, sir.

Q Do you anticipate having to pump either one in the near future?

A We might have to, it's hard to tell at this early date.

Q Would you state what other formation under this 40 acres produce and is dedicated to this 40 acres?

A The formations?

Q Yes, please.

A At the present time, the ElleMBERger, the Drinkard, the Blinebry, the Montoya and the Mc Kee.

Q Thank you. Are these two tubing strings bull plugged

or pin collared or in any way connected at the bottom?

A The long string is orange peeled at the bottom, two and three quarter inch opening, and also has a pin in it. The other short string of tubing, two and three quarter inch tubing, the latching for the Baker parallel tubing anchor I believe has an ID of half an inch, so that any instruments run in either string of tubing would not pull out.

Q Are either one of these strings shaved or beveled?

A No sir, the long string is two and three eighths inch nominal, the short string is two and three eighths inch Digriffin.

Q Is that the same as--

A Slim hole.

Q The flush joints are single, is that it?

A The same as Hydrill.

MR. FISCHER: That's all. If there are no other questions, the witness may be excused.

(Witness excused.)

MR. FISCHER: The case will be taken under advisement.

