

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 10, 1962

EXAMINER HEARING

IN THE MATTER OF:)

Application of Texaco Inc., for a)
triple completion, Lea County, New)
Mexico. Applicant, in the above-)
styled cause, seeks permission to com-)
plete its G. L. Erwin "A" Well No. 1,)
located in Unit N of Section 35, Township)
24 South, Range 37 East, Lea County, New)
Mexico, as a triple completion (tubing-)
less) in the North Justis-Devonian,)
North Justis-Tubb Drinkard and North)
Justis-Blinebry Pools with the produc-)
tion of oil from all zones to be through)
parallel strings of small diameter casing)
cemented in a common well bore.)

Case 2551

BEFORE: Mr. Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: We will call Case 2551.

MR. MORRIS: Application of Texaco Inc., for a triple
completion, Lea County, New Mexico.

MR. WHITE: May the record show the qualifications of
the witness and the name of the witness who has so testified?

MR. NUTTER: Is this the same witness?



MR. WHITE: The same witness.

MR. MORRIS: And that he has been sworn.

C. R. BLACK

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

DIRECT EXAMINATION

BY MR. WHITE:

Q Mr. Black, will you state the location of the subject well?

A This is it, Case 2551. (Whereupon, Texaco's Exhibits 1 through 3 were marked for identification.)

Q Will you state the present status of the well?

A At the present time this well has been drilled and each of the three zones has been completed and is producing under a temporary order from the Commission pending the outcome of this hearing.

Q Will you now give the history of the well, please?

A Yes, sir. I would like to refer to Exhibit No. 2, which is a diagrammatic sketch of the actual triple completion installation. A 17½" hole was drilled to 262 feet. At that point we set 13 3/8" casing and cemented to the surface with 350 sacks. A 12¼" hole was continued to 3545' and at that point we set 9 5/8" casing and cemented with a total of 1,000 sacks. The top of the cement as per temperature survey was found to be at



2,000'. We then continued with an 8 3/4" hole to a total depth of 7180'.

I would like to amend Exhibit 2, at the base of the exhibit the total depth is shown as 5980. That depth should actually be 7180. At that time we then ran three strings of tubing in the hole. We ran two strings of 2 7/8ths and one string of 2 3/8" tubing on string X, designated as the Blinebry string. We ran sliding side doors at 5402', 5730', 5980', 6141', and 6897'. We then cemented down strings designated X and Z with a total of 1600 sacks of cement, and the cement top was found to be at 2400' by temperature survey. The primary cementing was then supplemented by squeezing cementing through each of the Otis Type "A" sliding side doors that I mentioned previously.

You will also notice on each of the three strings we have run short subjects with radioactive collars on each end of these subjects. The purpose of this is in our gamma ray correlation log for perforating.

Q Mr. Black, have the mechanics of this procedure been previously approved by the Commission?

A The mechanics we used to complete this well have been approved by the Commission for other multiple tubingless completions.

Q Will you now state the crude characteristics?



A We perforated the Siluro-Devonian formation through various perforated intervals as shown on the exhibit, from 7066' to 7138'. On potential test of April 13, 1962 this well flowed 99 barrels of oil in eleven hours for a twenty-four hour rate of 216 barrels of oil through a 16/64" choke with a GOR of 465. This is intermediate type crude, intermediate sweet type crude with a gravity of 34.5 degrees. The bottom hole pressure was found to be 2747 psi, at a datum of minus 3857.

We then proceeded to perforate the Drinkard formation through various perforated intervals, as shown on the exhibit, from 6027' to 6110'. On potential test ending April the 11th, 1962 this zone flowed 105 barrels of oil in twenty-four hours through a 24/64" choke with a GOR of 900 to 1. This is also an intermediate sweet crude with a gravity of 32 degrees API. The bottom hole pressure was found to be 2514 psi, at a subsea datum of minus 2800'.

We then perforated the Blinbry zone through the interval 5628 to 5650. On potential test ending April 14, 1962 this zone flowed 72 barrels of oil in twelve hours, for 144 barrels of oil for a twenty-four hour rate. It was flowing through a 15/64" choke with a GOR of 864 to 1. This is a sour crude with a gravity of 33.8 degrees. We found the bottom hole pressure to be 2413 psi, at a subsea datum of 2300'.



Q Mr. Black, do you anticipate any paraffin or corrosion problems in the Blinebry?

A In the Blinebry zone only we anticipate mild corrosion and paraffin problem.

Q Have you done anything to combat that situation?

A Yes, we have plastic coated the upper 1500' of this tubing string for paraffin, and for corrosion we will take periodic coupon surveys to determine if excessive corrosion is occurring. If we find it is we will take the necessary steps to correct this.

Q Can all of these zones be artificially lifted if it becomes necessary?

A Yes, they can.

Q Will you refer now to Exhibit 3?

A Exhibit 3 is a log of the, radioactivity log of the G. L. Erwin "A" Well No. 1. It shows the appropriate formation tops and the perforated intervals in the formation.

Q Have all these three zones been previously approved by the Commission in this area for multiple completions?

A Yes, sir, they have. The Shell State No. 1 J. M., a southeast diagonal to our No. 1, is a dual completion in the Devonian and Fusselman, and the J. C. Williamson Westates No. 5, located in Section 1, is a Blinebry-Drinkard dual completion, and all three of these zones have been involved in various



multiple completions in the area.

Q But not this particular setup?

A There is no well that has these particular three zones triply completed at this time.

Q Were these exhibits prepared by you or under your supervision and direction?

A Yes, they were.

MR. WHITE: We offer Exhibits 1 through 3 in evidence.

MR. NUTTER: Texaco's Exhibits 1 through 3 will be introduced in evidence. Any questions of Mr. Black? He may be excused.

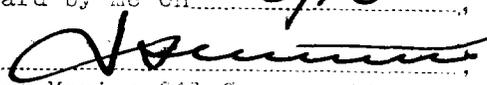
(Witness excused.)

MR. NUTTER: Anything further, Mr. White?

MR. WHITE: No. That completes our testimony.

MR. NUTTER: Does anyone have anything further they wish to offer in Case 2551? We will take the case under advisement and call Case 2550 again.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2551, heard by me on 5/10, 1962.


Examiner
New Mexico Oil Conservation Division



