

BEFORE THE
Oil Conservation Commission
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 1145

TRANSCRIPT OF PROCEEDINGS

DEARNLEY-MEIER AND ASSOCIATES
COURT REPORTERS
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ALBUQUERQUE, NEW MEXICO

BEFORE THE
OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO
Santa Fe, New Mexico

September 13, 1956

IN THE MATTER OF:)

Application of Wilshire Oil Company of Texas)
for an order authorizing an oil-oil dual com-)
pletion in the D-K Abo and D-K Drinkard Pools)
in Lea County, New Mexico, in compliance with)
Rule 112-A (b) of the New Mexico Oil Conserva-)
tion Commission Rules and Regulations. Appli-)
cant, in the above-styled cause, proposes to)
dually complete, by means of parallel tubing)
strings, its Federal Well No. 12-30, located)
in the SW/4 NW/4 of Section 30, Township 20)
South, Range 39 East, Lea County, New Mexico,)
to produce oil from both the D-K Abo and the)
D-K Drinkard Pools.)

Case No.
1145

BEFORE: Mr. A. L. Porter
Mr. E. S. (Johnny) Walker

TRANSCRIPT OF HEARING

MR. PORTER: We will consider next the Case 1145.

MR. GURLEY: Application of Wilshire Oil Company of Texas
for an order authorizing an oil-oil dual completion in the D-K Abo
and D-K Drinkard Pools in Lea County, New Mexico, in compliance
with Rule 112-A (b) of the New Mexico Oil Conservation Commission
Rules and Regulations.

MR. CAMPBELL: Jack M. Campbell, Campbell and Russell, Roswell,
New Mexico, appearing on behalf of the applicant. One witness, Mr.
Sindel, to be sworn.

A. T. SINDEL

having first been duly sworn, testified as follows:

DIRECT EXAMINATION

By MR. CAMPBELL:

Q Will you state your name, please?

A A. T. Sindel.

Q By whom are you employed and what capacity?

A Wilshire Oil Company of Texas as Petroleum Engineer.

Q Where do you live? A Midland.

Q Will you give the Commission a brief statement of your educational and professional background?

A Graduate from the Missouri School of Mines and after the war was employed by Standard of Texas as an engineer for two years, Bay Petroleum as Division Engineer for four years, Ashland Oil, two years, and Wilshire two and a half.

Q Are you qualified to testify in your professional capacity before the Texas Railroad Commission and the Oklahoma Corporation Commission?

A Yes, sir.

Q Mr. Sindel, are you acquainted with the application of Wilshire Oil Company of Texas in Case No. 1145?

A Yes, sir.

(Marked Wilshire Oil Company's Exhibits Nos. 1, 2, 3 and 4, for identification.)

MR. CAMPBELL: Are the qualifications of this witness acceptable to the Commission?

MR. PORTER: They are.

Q Will you state briefly what Wilshire seeks in this application, Case No. 1145?

A We desire to dual complete the Federal 12-30 Well in the Drinkard-Abo formation by placing a Baker packer between the two

zones and running two strings of tubing, one through the packer into the Abo, and one above the packer to produce the Drinkard.

Q I hand you what has been marked No. 1 and ask you to state what that is.

A That is a plat of the area showing the outline of the D-K Drinkard and Abo field in red. It shows the locations of the four wells thereon.

Q There are only four wells now drilled and producing in that field?

A Yes, sir.

Q What other operators are operating wells in this field?

A Texas Crude.

Q Texas Crude and Wilshire Oil Company of Texas are the only two operators in the field?

A Yes, sir.

Q I hand you what has been identified as Wilshire Exhibit No. 2 and ask you to state what that is.

A This is a letter from Texas Crude Oil Company signed by Roger D. Allen, stating "this will serve as your authorization as far as Texas Crude Oil Company is concerned, to proceed with your dual completion of the above well, subject of course to the approval of the State Regulatory Bodies".

Q I hand you what has been identified as Wilshire Exhibit 3 and ask you to state what that is.

A This is a tabulation of the monthly production history of the Federal 12-30 Well and shows the decline and also the Abo production as well as the Drinkard production when it was recompleted.

Q Referring to that exhibit and to the application, if

necessary, will you give the Commission a brief history of this well?

A This well was commenced in April of '54 and was drilled to a total depth of 9680 into the granite wash and plugged back to the Abo formation and there completed and showed a rapid decline. It was after a month it declined down to less than thirty barrels a day and it was fractured and showed a slight increase, but steadily decreased after that until December of 1955 it was down to some twenty barrels a day.

At that time we set a plug between the Drinkard and the Abo and came up and perforated the Drinkard and produced it and it is now producing about twenty barrels a day. It has declined from an original potential of 162 barrels in December to around twenty barrels a day.

Q In your opinion if the well is dually completed, will both zones flow?

A Yes, sir.

Q Based upon your knowledge of the history of this well and its present productive capacity, is it your opinion that Wilshire Oil Company of Texas could not economically drill a twin well to the Abo formation?

A That is correct.

Q Is it your opinion if this dual completion is not permitted, that oil which might otherwise would be recovered will not be recovered?

A That is right.

Q I hand you what has been identified as Exhibit, Wilshire Exhibit 4, and ask you to state what that is.

A This is a schematic sketch of the type of completion we intend to do on the well, showing the placement of the Baker packer between the two zones and the dual strings of tubing, one above the packer and one below.

Q In your opinion, if you are permitted to dually complete the well in the manner shown on Exhibit 4, will you be able to completely segregate the two producing zones, separate them?

A Yes, they will be separated by the packer.

Q Will you be able to conduct tests separately on the two zones; such tests as may be required by the Commission?

A Yes, sir, both down hole and surface.

Q In your opinion if this application is granted, will it prevent waste?

A Yes, sir.

MR. CAMPBELL: I would like to call the Commission's attention to the fact that attached to the application in this case is a log of this well. We would like to have that log made a part of the record in the case. It was filed at the time the application was filed.

MR. PORTER: Without objection it will be made a part.

MR. CAMPBELL: I believe that is all. I would like to offer Applicant's Exhibits 1 through 4.

MR. PORTER: Is there objection to the admittance of these exhibits? They will be admitted. Does anyone else have a question? Mr. Nutter.

CROSS EXAMINATION

By MR. NUTTER:

Q I believe you testified, as I remember, that the well was

originally completed as an Abo Well and produced from the Abo formation until December of '55 at which time it was plugged back and perforated into the Drinkard, is that correct?

A Let me check that, I may be wrong. I believe it was.

Q I was just curious -- A Yes.

Q I am curious to know how you plugged the well back.

A We set a Baker Model K above the perforation in the Abo and put 18 feet of hydrostat on top of that. It might interest you, the gravity in the two oils, the Abo had a gravity of 37.5 and the Drinkard had a gravity of 42 corrected.

Q What is the gravity on the Drinkard?

A 42.

MR. PORTER: The Abo was what?

A 37.5.

Q What were the GORS?

A The Abo, at the time of plugged back was 40 to 1; the Drinkard is now producing 15,000 to 1. This field, if I may mention, has 10,000 to 1 ratio.

Q Was the Abo formation flowing at the time you plugged it back?

A Just barely, yes.

Q Do you remember what the flowing pressure was at that time?

A I don't have it readily available, I am sorry.

Q What I am wondering also is what the bottomhole pressure in the two zones would be.

A Yes, sir. The bottomhole pressure of the Abo at the month before the abandonment was 1337; the bottomhole pressure of the Drinkard in May was 1638.

Q Would this type of installation that you have proposed here, will it be possible to pump the wells if pumping is necessary?

A Yes, sir.

MR. NUTTER: I believe that's all.

MR. PORTER: Anyone else have a question of Mr. Sindel? No questions, the witness may be excused.

(Witness excused.)

MR. PORTER: Anyone have a statement in this case?

MR. CAMPBELL: That's all we have.

MR. PORTER: The case will be taken 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. 1145 were taken by me on September 13, 1956; that the same is a true and correct record to the best of my knowledge, skill and ability.

Ada Dearnley
Reporter