

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

ALBUQUERQUE, N. M.
PHONE 243-6691

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

November 29, 1961

EXAMINER HEARING

IN THE MATTER OF:

Application of J. C. Williamson for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Westates-Federal Well No. 6, located in Unit D of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the McKee and Ellenburger formations with the production of oil from both zones to be through parallel strings of 2 3/8-inch tubing.

CASE NO.
2437

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

EXAMINER NUTTER: We will call Case No. 2437.

MR. WHITFIELD: Application of J. C. Williamson for a dual completion, Lea County, New Mexico.

MR. KELLAHIN: Jason Kellahin of Kellahin & Fox representing the Applicant. We have one witness, Mr. Coleman.

(Witness sworn.)

JOE A. COLEMAN,

called as a witness, having been first duly sworn on oath, was examined and testified as follows:



DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Will you state your name, please.

A Joe A. Coleman.

Q What business are you engaged in, Mr. Coleman?

A Petroleum engineering.

Q Have you testified previously before the Oil Conservation Commission as a petroleum engineer and made your qualifications a matter of record?

A Yes, sir.

MR. KELLAHIN: Are the witness's qualifications acceptable?

EXAMINER NUTTER: Yes, sir; please proceed.

Q (by Mr. Kellahin) Mr. Coleman, as a petroleum engineer, have you been employed by J. C. Williamson in Case No. 2437?

A Yes, sir.

Q Would you state briefly what is proposed in this application?

A Briefly, this well has been dually completed. J. C. Williamson is asking for permission to dually complete this well.

Q The dual completion has already been made?

A Yes.

Q Are either of the zones involved presently being produced?

A The Ellenberger, in the bottom zone.

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(Applicant's Exhibit No. 1
marked.)

Q (by Mr. Kellahin) Referring to what has been marked Exhibit No. 1, would you discuss the information shown on that exhibit?

A Yes, sir. That's an ownership plat that gives the visual picture of where the well is located.

Q Does the plat also show the well location and the offsetting ownership?

A No. The location of that well is 330 feet from the North line and 330 feet from the West line of Section 1, 25 South, Range 37 East.

Q Does the plat show the offsetting ownership?

A Yes, sir.

(Applicant's Exhibit No. 2
marked.)

Q (by Mr. Kellahin) Referring to Exhibit 2, would you identify and discuss the information shown on that exhibit?

A That is a gammatron log which shows the top of the formation in that area including the top of these two producing formations in question along with their perforations.

Q Do you have a diagrammatic sketch of the dual completion as it was made?

A Yes, sir.

(Applicant's Exhibit No. 3
marked.)

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A This is a diagrammatic sketch showing casing size, casing point, cement, the amount of top tubing set, packer setting and type.

Q What type of packer did you use in the well?

A BP4H.

Q Is that a permanent-type packer?

A Yes, sir.

Q Mr. Coleman, is this a type of dual completion which has been approved in other instances by this Commission?

A Yes, sir, it is.

Q J. C. Williamson has another dual completion in this area?

A Yes, sir.

Q Is it the same type of dual completion?

A Exactly.

Q Have you made any bottomhole pressure tests on the two formations?

A Exhibit No. 4 shows the bottomhole pressure on the Ellenberger and McKee formations.

(Applicant's Exhibit No. 4
marked.)

Q (by Mr. Kellahin) What does the bottomhole pressure show?

A The Ellenberger bottomhole pressure is at 8400, 2740 psig. The McKee bottomhole pressure at 7950 feet is 3093 psig.



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Q Would that cause any difficulty?

A No.

Q Have you run any packer leakage tests?

A Exhibit 5.

(Applicant's Exhibit No. 5
marked.)

A A test was conducted on the mentioned well and it indicates that the packer is serving its purpose in the well and that tubing and various and sundry other items are not leaking.

Q Was that test run in conformity with the rules and regulations of the Oil Conservation Commission?

A Yes, sir.

Q Have the results been filed with the Commission?

A Yes, sir.

Q Have you run any production tests in the well?

A Yes, sir.

(Applicant's Exhibit No. 6
marked.)

A Exhibit No. 6 which has been shown on gas-oil ratio test. It outlines production from the two producing zones.

Q What information is shown on that exhibit?

A The Ellenberger formation on the eleven-sixty-four choke produced 182 barrels of oil of 47 gravity, 203.47 MCF gas per day giving a GOR of 1118. The McKee formation, producing on a eleven-sixty-fourths-inch choke produced 266 barrels



of oil, 41 gravity, 194.180 MCF per day with a GOR of 730.

Q Were Exhibits 1 through 6 prepared by you or under your supervision?

A Some, and most of the information was assembled by me.

Q Have you examined all the information shown on the exhibits?

A Yes, sir.

Q In your opinion, does it correctly reflect the facts as they exist?

A Yes, sir, it does.

MR. KELLAHIN: We offer in evidence Exhibits 1 through 6.

EXAMINER NUTTER: What is Exhibit No. 6?

MR. KELLAHIN: Production test.

EXAMINER NUTTER: Both sheets?

MR. KELLAHIN: Yes.

EXAMINER NUTTER: Applicant's Exhibits 1 through 6 will be entered in evidence.

MR. KELLAHIN: That's all the questions I have of the witness.

EXAMINER NUTTER: Are there any questions of Mr. Coleman?

CROSS EXAMINATION

BY EXAMINER NUTTER:

Q Is this a Federal lease?

A Yes, sir.

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Q Has the USGS expressed any concern over the cementing program used on this well?

A They expressed some concern over that. I believe it is shown on the schematic diagram and the well -- the casing was perforated and cement squeezed.

Q The casing was perforated?

A Yes, sir.

Q And cement squeezed around the pipe?

A Yes, sir.

Q What is the top of the cement at the present time on the long string of casing?

A Seven-inch casing with the top of the cement at 5450.

Q Where was it perforated and squeezed?

A That was the nine and five-eighths that was perforated and squeezed.

Q Is the top of the cement on the seven-inch at 5450?

A Yes, sir.

Q Are there any zones which are productive or potentially productive in this well above 5450 but below 5245?

A There are shallow wells in that area, oil wells, that I am not qualified to say at the present time how they stand as far as depth is concerned.

Q You don't know whether there is any productive formation between 5245 and 5450?

A No, sir.

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EXAMINER NUTTER: Are there any further questions of Mr. Coleman?

He may be excused.

(Witness excused.)

MR. KELLAHIN: That's all we have.

EXAMINER NUTTER: Does anyone have anything they wish to offer in Case No. 2437?

We will take the case under advisement.

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