

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE 1646

TRANSCRIPT OF HEARING

APRIL 22, 1959

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BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APRIL 22, 1959

IN THE MATTER OF:

CASE 1646 Application of Amerada Petroleum Corporation
for an oil-oil dual completion. Applicant,
in the above-styled cause, seeks an order
authorizing the dual completion of its Ida
Wimberley Well No. 9 located 1650 feet from
the North line and 990 feet from the West
line of Section 25, Township 25 South, Range
37 East, Lea County, New Mexico, in such
manner as to permit the production of oil from
the Blinebry formation adjacent to the Justis-
Blinebry Oil Pool and the production of oil
from the Justis-Drinkard Pool through parallel
strings of 2-3/8 inch tubing.

BEFORE:

Daniel S. Nutter, Examiner.

T R A N S C R I P T O F P R O C E E D I N G S

MR. NUTTER: The hearing will come to order, please.
We will take the next case.

MR. PAYNE: Case 1646. Application of Amerada Petro-
leum Corporation for an oil-oil dual completion.

MR. KELLAHIN: Kellahin & Fox, Santa Fe, New Mexico,
appearing for the applicant. We have one witness, Mr. Broschot.

(Witness sworn)

R. E. BROSCHOT,

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please.

A My name is R. E. Broschot.

Q By whom are you employed?

A I am employed by Amerada Petroleum Corporation, Monument,
New Mexico.

Q Have you testified before this commission in the past
and have you expert qualifications?

A Yes, I have.

MR. KELLAHIN: Are the witness' qualifications satis-
factory?

MR. NUTTER: Yes, they are.

Q (By Mr. Kellahin) Mr. Broschot, are you familiar with
the application in Case 1646? A Yes, I am.

Q What is proposed in this application?

A In Case 1646 we are applying for a dual completion on
our Ida Wimberley No. 9; a dual completion in the Blinebry and
Drinkard zones in the Justis Pool.

Q Is that for the production of oil from both zones?

A Yes. That would be oil productive in both zones.

Q Have you prepared a plat showing the area involved in
this application? A Yes, I have.

Q Referring to Exhibit No. 1, would you state briefly
what that shows?

A Exhibit No. 1 is a plat of the Justis area, Lea County, New Mexico. It shows the location of the subject well, the Ida Wimberley No. 9, which is located in the Southwest quarter of the Northwest quarter of Section 25, Township 25 South, Range 37 East.

Q Does the exhibit also show wells that are presently producing in the Blinebry zone or the Drinkard zone?

A I don't have them designated on the map. The wells that are presently drilled in the Justis field are shown with two circles.

Q And does the plat reflect the lease ownership in the area involved?

A Yes, it does.

Q Now, what is the present status of the subject well, the Wimberley No. 9? What zone is it producing from?

A At the present time we are producing this well from the Blinebry zone.

Q Now, referring to Exhibit No. 2, Mr. Broschot, does that show the proposed completion on this well?

A Yes. Exhibit No. 2 is a diagrammatic sketch of the proposed dual completion on this well.

Q Now, referring to the exhibit, would you discuss briefly the casing program, cementing, and other information delineated on the exhibit?

A This exhibit shows our surface casing which is set at 511 feet. It is 13 3/8 set at 3269, and the top of the cement at 1499, and 7 inch production stream of casing set at 6050. The

Blinebry zone is perforated from 5278 to 5444; Drinkard from 5861 to 5918, with a Baker Model "D" Packer set at 5800 feet. We will be producing through two strings of 2 3/8 tubing.

MR. NUTTER: I believe you stated the Drinkard zone was perforated to 5918. Would you like to correct that?

A Yes. I'd like to correct that. It would be 5861 to 5909 and from 5918 to 5942.

Q (By Mr. Kellahin) Now, is this a type of completion which has heretofore been approved by this Commission for oil duals?

A Yes, it is.

Q Is the completion of such nature as will protect the producers?

A Yes, it is.

Q What kind of tests can you make in regard to leakage, Mr. Broschot?

A We can conduct packer leakage tests as specified by the Commission with this completion.

Q Do you have a log of the subject well?

A Yes, I have.

Q Referring to Exhibit No. 3 will you state what that is?

A Exhibit No. 3 is an electric log of the Ida Wimberley No. 9 on which the perforations in the Blinebry and Drinkard zones have been marked.

Q Are those the perforations you have described in connection with Exhibit No. 2?

A Yes, they are.

Q Do you have any pressure information on the Drinkard

and Blinebry zones?

A Yes, I have.

Q State what those are.

A Initial bottom pressure in the Drinkard zone at a minus 2800 feet sub sea was 2639 p.s.i. Initial bottom hole pressure on the Blinebry zone at a minus 2200 feet was 2214 p.s.i.

Q Now, what are the gravities of the fluids in the two zones?

A Gravity of the Drinkard zone was 35.3 degrees. Gravity of the Blinebry zone was 39 degrees.

Q Are the gas-oil ratios the same on the two zones?

A Roughly the same at the present time. Initial gas ratio in the Drinkard zone was 669; Blinebry zone was 474.

Q Would you expect any change as a result of production in either one of the zones?

A Several other operators in the Justis-Blinebry Pool have had an increase in gas-oil ratio, and we believe that our well may do the same.

Q Would that be in the Blinebry zone? A Yes.

Q Now, is there any way you would detect packer leakage aside from the routine tests required by the Commission?

A We would be able with a two-pen pressure recorder to obtain casing and tubing pressures on the two zones, and from that I believe we would be able to determine any packer leaks that may occur.

Q In your opinion, is the approval of this application

in the interests of conservation and the prevention of waste?

A Yes, it is.

Q And is it adequate to protect the producing horizons?

A Yes, it is.

Q Were Exhibits 1 and 2 prepared by you or under your direction and supervision?

A They were prepared under my direction.

Q And Exhibit No. 3, what is that?

A Exhibit No. 3 is an electric log as run by a logging company on this well.

MR. KELLAHIN: At this time we'd like to offer Exhibits 1, 2, and 3 inclusive.

MR. NUTTER: Without objection Exhibits 1 through 3 will be received.

MR. KELLAHIN: That's all the questions I have, Mr. Examiner.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Broschot, I don't believe you stated what size of tubing you are using in this well.

A It will be two strings of 2 3/8.

Q Is this a liner or a full string casing?

A This 2 3/8 inch is a full string casing.

Q What type of packer do plan to use?

A A Baker Model "D" production packer.

Q What is the pressure differential that will exist across the packer?

A Bottom hole pressure?

Q Yes, sir.

A Approximately 400 pounds.

Q Is this Baker Model "D" differential in that magnitude?

A Yes, it is.

MR. NUTTER: Any further questions of Mr. Broschot?

QUESTIONS BY MR. FISCHER:

Q As a matter of curiosity, are there any Baker Model "D" packers that are not permanent? Are you familiar with any?

A I don't believe Baker has a retrievable packer. But it's not classified as a Model "D"; they have a different designation.

QUESTIONS BY MR. NUTTER:

Q One other question, Mr. Broschot. I notice in the application that the name "Wimberley" is spelled W-i-m-b-e-r-l-y. This question of the correct spelling has come before us.

A The correct spelling is: W-i-m-b-e-r-l-e-y. It is misspelled on our plat.

MR. NUTTER: Thank you. If there is no further questions of Mr. Broschot, he may be excused.

(Witness excused)

MR. NUTTER: If there is nothing further in this case, we will take it under advisement and take the next case, Case 1647.

STATE OF NEW MEXICO

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COUNTY OF BERNALILLO

I, Ned A. Greenig, Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill, and ability.

Ned A. Greenig

COURT REPORTER

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1646 heard by me on 4-22, 1959.

Samuel Anderson Examiner
New Mexico Oil Conservation Commission