

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
MAY 4, 1961

EXAMINER HEARING

PHONE CH 3-6691

DE ARNLEY-WHELER REPORTING SERVICE, Inc.

ALBUQUERQUE, NEW MEXICO

IN THE MATTER OF:

CASE 2270 Application of Pan American Petroleum Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks authorization to dually complete its Greenwood Unit Well No. 3, located in Unit H, Section 27, Township 18 South, Range 31 East, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Bone Springs pool and the production of oil from an undesignated Wolfcamp pool through parallel strings of 2-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: We will take next Case 2270.

MR. MORRIS: Case 2270. Application of Pan American Petroleum Corporation for an oil-oil dual completion.

MR. BUELL: Guy Buell for Pan American Petroleum Corporation. We have one witness.

(Witness sworn)

MR. BUELL: By letter, the firm of Atwood & Malone of Roswell, as resident counsel.

JAMES E. YORK,

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

DIRECT EXAMINATION

BY MR. BUELL:

Q Mr. York, would you state your complete name, please, by whom you are employed, and in what capacity and at what location?

A James E. York. I am employed by Pan American Petroleum Corporation at Lubbock, Texas as a petroleum engineer.

Q What is your educational background in petroleum engineering?

A I was graduated from the University of Oklahoma with a Bachelor of Science degree in petroleum engineering in February, 1958.

Q What have you done since graduation?

A Since that time, I worked for Pan American in various production capacities.

MR. BUELL: Mr. Examiner, this case has been prepared in brochure form. All the pertinent data are in the brochure, which we will now offer as the Exhibit No. 1.

MR. NUTTER: This will be Exhibit No. 1 in this case.

(Whereupon, Applicant's Exhibit No. 1 was marked for identification)

Q (By Mr. Buell) Mr. York, I will ask you, for the record,



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to briefly cover the more pertinent data included in your Exhibit No. 1.

A This Exhibit covers Pan American's request that permission be granted to dually complete its Greenwood Unit No. 3 as oil-oil dual in undesignated Bone Springs and Wolfcamp pools in Eddy County, New Mexico. The well is located in Unit H, Section 27, 18, 31, and is shown on the Attachment I by means of an arrow. It was temporarily abandoned in a producing Devonian gas zone in January, 1961, and recompleted first in the Wolfcamp and later in the Bone Springs.

Q Mr. York, are both of these formations above or more shallow than the Siluro-Devonian gas pay?

A Yes, they are.

Q Go right ahead.

A The IP of the Bone Springs was 238 barrels of 41 degree API gravity oil and no water in twenty-four hours. The IP of the Wolfcamp was 167 barrels of 41.6 degree API gravity oil in twenty hours. Now, Attachment II shows a diagrammatic sketch of the details of the completion. Each zone will be produced through a separate 2-inch I.D. tubing string. The long tubing string, which will be the Wolfcamp, will be latched into a Baker Model "D" Packer at 8220, and the short string is hanging free in the wellhead.

Attachment III is a log showing Bone Springs and Wolfcamp intervals in this well. As you can see, there's some 1700 feet of formation between Wolfcamp and Bone Springs perforations.

Attachment IV is a copy of Pan American's application for dual



completion furnished -- for convenience, it was originally furnished by letter on April 14, 1961.

Q Mr. York, have packer leakage tests already been furnished to the Commission?

A Yes. One has been run and furnished.

Q Are you familiar with the results of those tests?

A Yes, I am.

Q Did they show complete separation of the two zones?

A They showed very definitely there was no packer leakage.

Q In your opinion, will the approval of this request by the Commission serve conservation as well as protect the correlative rights of all parties of interest?

A Yes, it will.

Q Do you have anything further you would like to add?

A No.

MR. BUELL: That's all we have at this time, Mr. Examiner.

MR. NUTTER: Does anyone have any questions of Mr. York?

MR. MORRIS: Yes, sir, I do.

#### CROSS-EXAMINATION

BY MR. MORRIS:

Q Mr. York, are you familiar with the new rule that the Commission has proposed with reference to multiple completions?

A I have not seen a copy of it, if that's what you mean. Has one been approved? I am familiar that there was some discussion or a case on nomenclature at the last statewide hearing.



Q I was just wondering if you had any comments with regard to that Rule, and with reference to the completion that you propose here, and how that would fit in with the Rule. If you haven't had a chance to study the Rule yet, why, I'll pass the question.

A No, I have not seen the Rule.

MR. BUELL: Which Rule are you speaking of? Is that the one that Mr. Nutter proposed at the Hobbs statewide --

MR. MORRIS: Right.

BY MR. NUTTER:

Q Mr. York, your brochure and your testimony indicated the gravity and GOR. Do you have a bottom hole pressure for the two zones?

A We have not been able to obtain a bottom hole pressure on the Wolfcamp. We have a drill stem test pressure.--

Q Well, if you have a drill stem test pressure...

A -- for the Bone Springs, which is the upper interval bottom hole pressure with a bomb of 2924 pounds, at minus 4450 subsea. A drill stem test pressure of the Wolfcamp was 4830 pounds, at minus 6113 subsea.

Q The packer you are using to segregate the two zones is a Baker Model "D" packer?

A Yes, it is.

Q Is it of sufficient capacity to withstand that differential pressure between those two zones?

A Yes, it is.

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Q Did the Devonian zone produce to depletion, or was it abandoned without having been produced?

A It was temporarily abandoned. It was producing and had been producing prior to its abandonment. We are committed on this particular lease, our reserves are committed to sell, and we have another Devonian well that is producing Devonian gas. There was no loss of Devonian production.

Q This well was making 60 barrels of distillate per day and approximately --

A No, that's not the average production during its life.

Q That's the average production in December 1960?

A During December.

Q Was that its last month of production?

A Yes. That's during the producing day. It did not produce every day of that month.

MR. NUTTER: Any further questions of Mr. York? He may be excused.

(Witness excused)

MR. NUTTER: Do you have anything further, Mr. Buell?

MR. BUELL: No, Mr. Examiner. That concludes our testimony.

MR. NUTTER: And Exhibit 1 will be admitted in the record in this case.

MR. BUELL: Right.

MR. NUTTER: Does anyone have anything further for Case

2270? We will take the case under advisement.

STATE OF NEW MEXICO )  
 ) ss  
 COUNTY OF BERNALILLO )

I, ADA DEARNLEY, 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 machine shorthand and reduced to typewritten transcript under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal this, the 8th day of May, 1961, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

*Ada Dearnley*  
 NOTARY PUBLIC

My Commission expires:

June 19, 1963

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2270, heard by me on 5-4, 19 61.

*William*, Examiner  
 New Mexico Oil Conservation Commission

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