

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
SEPTEMBER 30, 1959

IN THE MATTER OF:

Application of Northwest Production Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its "S" Well No. 16-2, located in the SW/4 SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner as to produce oil from an undesignated Dakota oil pool through parallel strings of tubing.

CASE NO.

1766

BEFORE:

Mr. Daniel S. Nutter, Examiner

TRANSCRIPT OF PROCEEDINGS

MR. NUTTER: Next case on the docket is 1766.

MR. PAYNE: Case Number 1766. Application of Northwest Production Corporation for an oil-oil dual completion.

MR. CORBETT: My name is Malcolm Corbett, with Northwest Production Corporation. We have one witness to testify.

MR. PAYNE: Are you licensed to practice in New Mexico, sir?

MR. CORBETT: Yes, sir.

(Witness sworn.)

MORRIS B. JONES

a witness, called by and on behalf of Applicant, being first duly

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sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. CORBETT:

Q Mr. Jones, will you state your name?

A Morris B. Jones.

Q By whom and in what capacity are you employed?

A Employed by Northwest Production Corporation, Albuquerque, assistant manager of production.

Q Have you previously testified before the Commission as an expert witness?

A No.

Q Will you state your qualifications?

A I graduated with a B. S. degree in Petroleum Engineering in 1952; then was employed by the Nichols Company in Midland as a Drilling Production Engineer until 1955; from 1955 to 1956, I was employed by the Pacific Pipeline Corporation in Farmington as Drilling Engineer. I was employed by Northwest Production in Farmington next as drilling engineer from 1956 to 1958, when I was transferred to Albuquerque as an Assistant Manager of Production.

MR. CORBETT: Are the witness' qualifications acceptable?

MR. NUTTER: Yes, sir.

Q (By Mr. Corbett) Mr. Jones, will you proceed and tell us what your application seeks?

A We seek approval to duly complete our Well "S" 16-2

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located in the SW/4 of the SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner to produce oil from an undesignated Dakota oil pool.

Q Mr. Jones, will you explain the exhibits prepared in this?

A Exhibit Number 1 shows the proposed dual completion for our "S" Well 16-2 located in the SW/4 of the SW/4 of Section 2, Township 24 North, Range 4 West, Rio Arriba County, New Mexico.

Q Was notice of dual application given to offset owners?

A All acreage directly offsetting it is held by Northwest Production, therefore, notice has not been given.

Exhibit Number 2 is an electric production log of our "S" Well 16-2 with the top and bottom pay sections and perforated intervals shown on the Yates formation.

Q Do you have any other exhibits?

A Exhibit Number 3, is a schematic drawing of the proposed dual completion showing the mechanics for producing the two zones. There is a Model "D" Production Packer set at approximately 7190 feet to separate the two zones.

Q Were these exhibits 1 through 3 prepared by you or under your supervision?

A Yes.

MR. CORBETT: I would like to offer Northwest Production Exhibits 1 through 3 into evidence.

MR. NUTTER: Without objection, Northwest Production

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Exhibits 1 through 3, will be entered.

Q (By Mr. Corbett) In your opinion, will this prevent waste?

A Yes, sir, it will.

MR. CORBETT: This concludes the applicant's testimony in this case.

CROSS EXAMINATION

BY MR. PAYNE:

Q Are these designated?

A Yes, sir, they are.

Q One undesignated, and the others designated?

A Yes, sir.

MR. PAYNE: That's all.

QUESTIONS BY MR. NUTTER:

Q Mr. Jones, I would like a little information on the reservoirs on either of these.

A We have no potential on the Gallup, Mr. Nutter; in fact, we recovered our load oil and recovered approximately 85 barrels of new oil in a 24-hour period by swab flow. At this time we have drilled out the bridge plug and are combining the two zones together by reverse circulation. The reason we did not potential the Gallup, or file a potential, is because the Gallup will have to be swabbed.

Q (By Mr. Payne) Do you have any idea about the B.H.P.?

A We had an initial shut-in pressure of 2050.



Q How about the gas-oil ratio which you will have?

A From what we determined on our swab test, our gas was all diffused, and a gas-oil ratio of 2300 estimated. The gas was measured by pilot tube at two hourly intervals.

Q How about the gravity?

A 44 degrees at 50 degrees Fahrenheit.

Q Now, the Dakota?

A On the Dakota, we have potentialized the Dakotas for 42 barrels through a 12/64 inch choke.

Q That is flowing, is it not?

A Yes, sir, and it is -- The gas was too small to measure. The bottom hole pressure run on our "S" Well 1-1, which is located in the SW/4 of the SW/4, one mile away due east, had a bottom hole pressure of 2805.

Q How about the gravity on the Dakota?

A The gravity is 44 percent degrees, this is 60 degrees Fahrenheit.

Q The differential in estimated bottom hole pressure, is approximately 88-lbs. Will that adequately separate the two zones under a 200-lb. differential?

A Yes, sir.

MR. NUTTER: Anyone have any further questions of Mr. Jones? He may be excused. Does anybody have anything further in Case 1766? We take the cause under advisement.



STATE OF NEW MEXICO)
) ss.
 COUNTY OF BERNALILLO)

I, G. R. GONZALEZ, Court Reporter, 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/or 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 10th day of November, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

G. R. Gonzalez
 G. R. GONZALEZ Court Reporter.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1766, heard by me on 9-30, 1959.

[Signature], Examiner
 New Mexico Oil Conservation Commission

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App.1	Proposed dual completion	3	3	3
" 2	Electric Production Log	3	3	3
" 3	Schmatic drawing	3	3	3