

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
November 20, 1957

IN THE MATTER OF
CASE NO. 1349

TRANSCRIPT OF PROCEEDINGS

DEARNLEY - MEIER & ASSOCIATES
INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE - SANTA FE
3-6691 2-2211

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
November 20, 1957

IN THE MATTER OF:)

Application of Continental Oil)
Company for an order approving)
a 320-acre non-standard gas pro-)
ration unit in the Eumont Gas Pool,)
Lea County, New Mexico. Applicant,)
in the above-styled cause, seeks an)
order establishing a 320-acre non-)
standard gas proration unit in the)
Eumont Gas Pool consisting of the)
E/2 of Section 15, Township 21 South,)
Range 36 East, Lea County, New Mex-)
ico, said unit to be dedicated to the)
applicant's State D-15 No. 8 Well)
located 660 feet from the South line)
and 660 feet from the East line of said)
Section 15.)

CASE NO.
1349

BEFORE:

Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

MR. UTZ: Next case on the docket will be Case 1349.

MR. COOLEY: Application of Continental Oil Company for an order approving a 320-acre non-standard gas proration unit in the Eumont Gas Pool, Lea County, New Mexico.

MR. KELLAHIN: I am Jason Kellahin of Kellahin and Fox, representing the applicant. We will have one witness, Mr. W. V. Boynton.

E. V. BOYNTON

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Will you state your name, please?

A E. V. Boynton.

Q By whom are you employed, Mr. Boynton?

A Continental Oil Company.

Q In what capacity? A District Engineer.

Q In what district is that, Mr. Boynton?

A That's in the Hobbs District, Lea County.

Q Have you testified before the Oil Conservation Commission in New Mexico previously and had your qualifications accepted as an expert? A I have.

MR. KELLAHIN: Are the witness' qualifications acceptable?

MR. UTZ: His qualifications are acceptable.

Q Mr. Boynton, are you familiar with the application in Case 1349? A Yes, I am.

Q What is proposed to be done?

A Continental seeks an order establishing a 320-non-standard gas proration unit in the Eumont Gas Pool. This unit is to consist of the E/2 of Section 15, Township 21, South, Range 36 East, Lea County, New Mexico, and is to be assigned to Well No. 8 which would be located 660 feet from the South and 660 feet from the East line of said section.

Q Now, referring to what has been marked as Exhibit No. 1, will you state what that shows, please?

A Exhibit No. 1 is an ownership plat which shows the offset gas wells to the subject lease encircled in green, and the offset gas proration units outlined in green. It shows the subject well encircled in red, and the subject lease outlined in red. It also shows the general structure in the area as contoured on top of the Yates formation, and from the arrangement of the offset gas wells and the structure, it's evident that the entire acreage is productive of gas.

Q Now, location Well No. 8, please.

A Well No. 8 was depleted in the Eunice Pool, that is the reason it was plugged back, and at first we had proposed to dual well No. 7, which is at a location outlined in the rules and regulations.

Q And when it was depleted, what was done with the well, then?

A We plugged it back out of the Eunice Pool and completed it in the Eumont Pool for gas.

Q Now, referring to Exhibit No. 2, will you state what that shows?

A Exhibit No. 2 is a reproduction of the radioactivity log of the well. It shows the original total depths, the casing, the line that had been set in, the old zone of completion, and the present zone of completion.

Q This shows the depth of perforation?

A It does. It shows the present perforation to be entirely within the Queen formation.

Q Now, has any back pressure test been made on this well?

A We have a back pressure and deliverability test which is marked Exhibit No. 3.

Q Will you state briefly what information is shown on that exhibit?

A This is a four point back pressure test, according to the latest test rules and regulations of the Commission for testing gas wells, and it shows that the well is capable of forty-one million standard cubic feet of gas per day openflow potential, and its deliverability at 600 pounds, some forty million cubic feet per day, which shows that we can easily produce the 320-acre allowable.

Q Now, in your opinion, is all the acreage to be dedicated to this well productive of gas from the Eumont Pool?

A It is, yes.

Q Is it completely surrounded by units dedicated to other wells?

A It is almost surrounded. I believe, to the southeast, Humble has not developed their acreage.

Q Could you state what the location of the well to the south is?

A Gulf has a well located 660 feet from the North and 1980 from the East line of Section 22, same township, same range, this is also an unorthodox location, similar to the one we were seeking.

Q And that would be a direct offset to the subject well?

A That is true, yes.

Q In your opinion, would approval of this application result

in the prevention of waste and protection of correlative rights?

A It will.

MR. KELLAHIN: That's all the questions we have.

CROSS EXAMINATION

BY MR. UTZ:

Q Mr. Boynton, referring to your Exhibit No. 3, I note that the longest flow rate was only six hours, which is flow rate No. 4, which is your open flow C-122, and also note point No. 4, which is that point, fell to the left of the curve. Do you believe that is a stabilized curve?

A This well was not entirely cleaned up when we tested it. That point No. 4 fell back to the left of the line because we were exceeding the capacity of our separator. That frequently happens with gas wells that have high potential, that last point will fall to the left of the line, and as for the six hour test, I don't believe a 24 hour point is required on a four point back pressure test, is it, actually?

Q I believe it is, unless you show stabilization before 24 hours. Do you know whether this was stabilized or not? Did you take any pressures?

A I didn't test the well personally. However, that was reported to me to be the case, yes, sir.

Q Could you supply the Commission with those pressure readings that would show stabilization?

A I am not sure that we had a recording pressure gauge on that

valve, but if we have them I certainly will, yes, sir.

Q I wish you would, if you do have them available.

A In that connection, at this juncture, this has recently been completed and we feel that it is extremely hazardous to flow a well for 24 hours through the night. In other words, unless a man stays there with it, of course.

MR. UTZ: Are there any questions of Mr. Boynton?

MR. NUTTER: Yes.

BY MR. NUTTER:

Q Mr. Boynton, this well presently has no acreage dedicated to it in the Eumont Gas Pool?

A Has none, that's right.

Q The other seven wells in this 320-acre unit are completed in what pool?

A In the Eunice Pool.

MR. NUTTER: That's all. Thank you.

MR. UTZ: Any other questions of the witness?

MR. KELLAHIN: At this time we would like to offer Exhibits 1 through 3 in evidence.

MR. UTZ: Is there objection to the introduction of Continental's Exhibits 1,2, and 3? If not, they will be accepted. The witness may be excused.

(Witness excused.)

MR. UTZ: Is there any other statement to be made in connection with this case? Case will be taken under advisement.

