

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  
October 25, 1961

EXAMINER HEARING

IN THE MATTER OF:

Application of Amerada Petroleum Corpora-  
tion for a dual completion, Lea County,  
New Mexico. Applicant, in the above-  
styled cause, seeks permission to complete  
its Ida Wimberly Well No. 11, located in  
the NW/4 SW/4 of Section 24, Township  
25 South, Range 37 East, Lea County,  
New Mexico, as a dual completion in the  
Justis-Paddock and Justis-Blinebry Pools,  
with the production of oil from the Paddock  
zone to be through a tapered string of  
tubing of 2 3/8-inch and 2 1/16-inch dia-  
meter and the production of oil from the  
Blinebry zone to be through a tapered  
string of tubing of 2 3/8-inch and 1-inch  
diameter.

CASE NO.  
2405

BEFORE: Dan S. Nutter, Examiner.

TRANSCRIPT OF HEARING

EXAMINER NUTTER: We will call Case No. 2405.

MR. MORRIS: Application of Amerada Petroleum Corpora-  
tion for a dual completion, Lea County, New Mexico.

MR. KELLAHIN: Jason Kellahin, Kellahin & Fox represent-  
ing the Applicant.

We have one witness we'd like to have sworn.

(Witness sworn.)

A. E. SNYDER



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called as a witness by and on behalf of the Applicant, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Would you state your name, please.

A A. E. Snyder.

Q By whom are you employed and in what position?

A Amerada Petroleum Corporation as a district engineer in Hobbs, New Mexico.

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

A Yes, sir.

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

EXAMINER NUTTER: Yes, sir. Please proceed.

Q (By Mr. Kellahin) Mr. Snyder, are you familiar with the application of Amerada Petroleum Corporation in Case No. 2405?

A Yes, sir.

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

A In this application, Amerada proposes to dually complete a well that has been produced for some time from the Blinebry zone in the Justis field and to dual it also in the Paddock zone with the Blinebry.



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Q Have you prepared a plat showing the location of the proposed dual completion of the well within a two-mile radius?

A Yes. This plat is shown as Amerada's Exhibit A. On the plat we have shown the general outline of the Justis pools, the well location thereon and zone of completion of each of the wells. The Amerada's Ida Wimberly Well is outlined in red and the Wimberly Well No. 11 located in the northwest quarter of the southwest quarter of Section 24, Township 25 South, Range 37 East, Lea County, is circled in red. This is the well that we propose to make the dual completion in.

Q Are there any other dual completions within this area in the Blinebry-Paddock zones?

A The only other dual completion in the area is the immediate offset well to the west. It is a Paddock and Blinebry dual.

Q Is the area involved here within the defined limits of the Justis-Paddock and Justis Blinebry pools?

A Yes.

Q Referring to what has been marked Exhibit B, would you discuss the information shown on that Exhibit?

A Exhibit B is the electric log of the subject well. On the bottom part of the log I have shown the base of the Justis gas and the top of the Paddock oil zone as 4868 and the proposed Paddock perforations at 4880 to 4885, 4890 to 4896, 49 to 48, 4929. The base of the Paddock oil zone and the top of the Blinebry oil



zone as 4988. It shows the  $4\frac{1}{2}$  liner set at 5323; the Blinebry completion in open hole from 5325 to a total depth of 5472.

Q Now, referring to what has been marked as Exhibit C, would you discuss the information shown on that Exhibit?

A Exhibit C is a diagrammatic sketch of the equipment necessary to make this dual completion. The  $4\frac{1}{2}$  liner necessitates running some tubing that is smaller in inside diameter than is set out in the Commission's rules and regulations. We propose to set a baker model D packer at 4950 feet and run a string of  $2\frac{3}{8}$  tubing through the packer to produce the Blinebry zone and a combination string of  $2\frac{3}{8}$  tubing,  $2\frac{1}{16}$  inch tubing to produce the Paddock zone.

Q Is it solely on account of the size of the tubing used in the Blinebry completion the reason for this application?

A Yes, sir.

Q Otherwise, it would be subject to approval by administrative action, is that correct?

A Yes.

Q Are you familiar with the pressure in the two different zones?

A I have no pressure information in the Paddock zone. We have not made a completion in that zone.

Q On the basis of your experience in this area, is there any significant difference in the pressures which would interfere with a dual completion of this type?

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A No.

Q Is this a type of dual completion which has heretofore been approved by the Commission for the two zones?

A Yes.

Q Were Exhibits A, B and C prepared by you or under your supervision?

A Yes.

MR. KELLAHIN: We offer in evidence Exhibits A, B and C.

EXAMINER NUTTER: Amerada's Exhibits A, B and C will be entered.

MR. KELLAHIN: That's all we have.

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

EXAMINATION

BY EXAMINER NUTTER:

Q Mr. Snyder, to what zone was this originally drilled?

A The Blinebry zone.

Q You set your seven inch pipe at 3239 feet and then ran a 4½" line?

A Yes.

Q Is the Blinebry producing from open hole?

A Yes, sir.

Q Do you anticipate any kind of production problems in using the 1 inch pipe?

A No, sir.



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Q You will artificially lift the well if necessary?

A If necessary we will be able to artificially lift it.

Q How will you do it?

A By gas lift.

Q Do you anticipate, then, how you would gas lift it?

A There are a number of different ways we could do it.

We could run a conventional string of small tubing in the 2 and 16s with gas lift valves or we could run gas lift valves the same size as the tubing in the tubing string and use the annulus as the gas chamber supply.

Q You would have to assume then that the fluid left from the Blinebry would stand above the Paddock perforations to gas lift the annulus and have another packer above that?

A We could do that.

Q It wouldn't be possible to use a conventional string of tubing?

A No, it wouldn't get inside the 1 inch. Actually, we feel there will be very little artificial lifting done in the Blinebry. Its producing nature indicates a large part of its problem will be by natural flow.

Q How do the GORs compare in those two zones, Mr. Snyder?

A The GORs in the Blinebry zone on our different examinations averages about 2000. Some are a little higher than others. The information I have on the Paddock is in the well immediately offsetting our No. 11 to the west and this is gas sales figures.



Gas sales figures indicate that that well had a GOR of 600 to 1.

Q How about gravity, is there a gravity differential?

A The two gravities are very close, ranging from 36 to 38 degrees.

EXAMINER NUTTER: Are there any other questions of Mr. Snyder?

He may be excused.

(Witness excused)

EXAMINER NUTTER: Do you have anything further?

MR. KELLAHIN: That's all.

EXAMINER NUTTER: Does anyone have anything he wishes to offer in this case?

If not, the case will be taken under advisement and we will take a ten-minute recess.

(Recess taken.)

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