

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  
January 4, 1962

EXAMINER HEARING

IN THE MATTER OF:

Application of Amerada Petroleum Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its State NJ "A" Well No. 1, located in Unit A of Section 2, Township 25 South, Range 37 East, Lea County, New Mexico, as a triple completion (combination) in the McKee, Fusselman and Ellenburger zones in the North Justis Field, with the production of oil from the Fusselman and Ellenburger zones to be through tubing installed within parallel strings of 3 1/2-inch casing and the production of oil from the McKee zone to be through a parallel string of 2 7/8-inch casing, all of said casing strings to be cemented in a common well bore.

CASE NO.  
2464

BEFORE:

Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

MR. NUTTER: Case 2464.

MR. WHITFIELD: Application of Amerada Petroleum Corporation for a triple completion, Lea County, New Mexico.

MR. KELLAHIN: If the Examiner, please, could the record show the same appearances as in Case 2463. The record



will also show that the witness has been sworn.

MR. NUTTER: Yes, sir.

A. E. SNYDER,

recalled as a witness, having been previously sworn, testified as follows:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Are you the same Mr. Snyder who testified in the preceding case?

A Yes, sir.

Q Are you familiar with the application of Amerada Petroleum in Case 2464?

A Yes, sir.

Q Will you state what is proposed by Amerada in this case?

A This particular case is an application for the triple completion of Amerada's State NJ "A" No. 1, located in Unit A, Section 2, Township 25 South, Range 37 East, Lea County, New Mexico. This triple completion is for completion in the Fusselman Oil zone, the McKee Oil zone, and the Ellenburger Oil zone.

Q Do you have a plat showing the area involved?

A Yes, sir.

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

Q Referring to what has been marked as Amerada's Exhibit



No. 1, will you discuss the information shown on that exhibit?

A Exhibit No. 1 is a plat of the area involved and what is commonly known as the North Justis Field of Lea County, New Mexico. Amerada 40 acre NJ "A" lease is outlined in red and located in the Northeast, Northeast of Section 2, Township 25 South, Range 37 East. The wells that have been completed in other zones are noted in the surrounding leases.

Q Is the ownership of this lease common throughout for all zones, Mr. Snyder?

A Yes, sir.

Q Do you have a diagramatic sketch of the proposed completion?

A Yes, sir.

(Whereupon, Applicant's Exhibit No. 2 marked for identification.)

Q Referring to what has been marked as Exhibit No. 2, will you discuss the information shown on that exhibit?

A Exhibit No. 2 is the diagramatic sketch of equipment in this well, NJ "A" No. 1. The top of the sketch shows 16-inch casing set at 513 feet and cemented with 750 sacks. The next string of casing was 10 3/4-inch set at 3418 feet, cemented with 1500 sacks of cement and we found the top of the cement there at 2210 feet. Then, a 9 7/8-inch hole was drilled and three strings of casing were set in this hole. Casing string No. 1 in the center of the diagram was set, 3 1/2-inch casing set at 8559 feet; casing string No. 2 also 3 1/2-inch casing on the left of

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the diagram was set at 8563 feet, Casing String No. 3, 2 7/8-inch casing on the right of the diagram was set at 8566 feet. These three casing strings each had from about 3400 feet total depth and they were all three cemented in the common well bore by pumping 1500 sacks of cement through Casing String No. 1 and 2. We then found the top of the cement from this work at 2975 feet casing string.

MR. NUTTER: What was the top again?

A 2975.

MR. NUTTER: Thank you.

A After the cement had set for about 72 hours, we then went in Casing String No. 3 and squeezed through the bottom of it with 50 sacks. We reached a maximum pressure of 5000 pounds and had to move some of the cement out, only got about 28 sacks actually out of the pipe. The perforations starting with the Fusselman zone 7042 feet to 7074 in Casing String No. 1 and 1 1/2-inch tubing set at 7040 feet in that string. In Casing String No. 2, the Ellenburger zone perforation 8444 to 8494. This string also has 1 1/2-inch tubing set at 8468 feet. Casing String No. 3 will be the McKee completion. It has perforations 8139 to 8184 feet.

Q What is the present status of this well, Mr. Snyder?

A This well has been drilled and completed as shown in Exhibit No. 2.

Q I note you used tubing in the Ellenburger and Fusselman but not the McKee. What's the reason for that?



A Our object for running larger casing in the Ellenburger and Fusselman zones normally we expect those two zones to produce considerable water sometime in their life and we will need tuck to artificially lift the larger volumes of fluid where the McKee probably will not have to have large volumes of fluid lifted.

Q Do you have a log of the well?

A Yes, sir.

(Whereupon, Applicant's Exhibit No. 3 marked for identification.)

Q Referring to what has been marked as Exhibit No. 3, will you discuss the information shown on that exhibit?

A Exhibit No. 3 is a log of the well and on this log I have marked the top of the three zones under consideration. The top of the Fusselman zone is at 6894 feet. I have shown the perforated interval from 7042 to 7074, top of the McKee zone at 7985 feet with perforations from 8139 to 8184, and top of the Ellenburger zone at 8443, with perforations from 8444 to 8494.

Q Were Exhibits 1, 2, and 3 prepared by you or under your supervision?

A Yes, sir.

MR. KELLAHIN: At this time I would like to offer in evidence Exhibits 1, 2, and 3.

MR. NUTTER: Amerada's Exhibits 1, through 3 will be

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admitted in evidence.

(Whereupon, Applicant's Exhibits  
1 through 3 admitted in evidence.)

Q (By Mr. Kellahin) Do you consider the approval of this application to be in the interest of conservation and the prevention of waste, Mr. Snyder?

A Yes, sir.

MR. KELLAHIN: That's all I have.

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

CROSS EXAMINATION

BY MR. NUTTER:

Q Do you have any bottom hole pressure gravity and GOR information on these zones?

A I have a little bit of production information, no bottom hole information, we haven't taken that yet. The Fusselman zone flowed 132 barrels of oil in ten hours on a 20-64 choke, with a GOR of 423. That was not cleaned up good at the time and we did not take a gravity on it. The Ellenburger zone flowed 396 barrels of 47.3 degree oil in 24 hours, with a GOR of 721.

MR. NUTTER: 721?

A Yes, the McKee zone flowed 153 barrels of 44 degree oil in nine hours, with a GOR of 1247.

MR. NUTTER: Are there any further questions of Mr.

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Eda.

would you please substitute  
this for the application  
previously filed?

The diagramatic sketch attached  
will have to be changed, but I  
have the information as to format  
tops & perforations, if needed before  
the ad is advertised

Jason Kellaher

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December 6, 1961

IN THE MATTER OF THE APPLICATION OF  
AMERADA PETROLEUM CORPORATION FOR  
AN ORDER PERMITTING THE TRIPLE COM-  
PLETION OF ITS STATE NJ "A" WELL NO.  
1, LOCATED IN UNIT A, SECTION 2-T25S-  
R37E, LEA COUNTY, NEW MEXICO IN THE  
NORTH JUSTIS MCKEE, FUSSELMAN AND  
ELLENBURGER POOLS.

Case No. 2464

A P P L I C A T I O N

Applicant, Amerada Petroleum Corporation, states that

1. Applicant is the owner and operator of the State NJ "A" Lease consisting of the NE NE Section 2-T25S-R37E, Lea County, New Mexico.
2. Subject well encountered the numerous pays normally found in the North Justis Area. This application is for the purpose of securing approval for a triple completion in the McKee, Fusselman and Ellenburger zones.
3. Two strings of 3-1/2" casing and one string of 2-7/8" casing will be cemented in the common well bore with top of cement being above all potential pays. The Fusselman and Ellenbruger formations will be produced through individual strings of 3-1/2" casing, and the McKee formation will be produced through the 2-7/8" string of casing.
4. All standards adopted by the Commission concerning completion and production practices shall be adhered to. Such completion will maintain separation in the several common sources of supply in a manner that will prevent waste and protect the rights of all parties concerned.
5. A multiple completion has not previously been approved in the zones under consideration. Hearing is also required in this matter due to two strings of tubing being smaller than 1.670" I.D.
6. Attached are copies of the Commission's Multiple Completion Form, Plat of Area and Diagrammatic Sketch of the proposed completion.

Applicant requests that this matter be set for hearing before an examiner, that notice of the hearing be given as required by law, and that, upon conclusion of the hearing, the Commission enter its order authorizing the proposal set forth above.

Respectfully submitted,

AMERADA PETROLEUM CORPORATION

By Jason W. Yellahin  
YELLAHIN & FOX  
P. O. Box 1713  
Santa Fe, New Mexico

ATTORNEYS FOR APPLICANT

*Deed  
12-20-61*