

BEFORE THE
Oil Conservation Commission
SANTA FE, NEW MEXICO
June 20, 1956

IN THE MATTER OF:

CASE NO. 1072

TRANSCRIPT OF PROCEEDINGS

DEARNLEY-MEIER AND ASSOCIATES
COURT REPORTERS
605 SIMMS BUILDING
TELEPHONE 3-6691
ALBUQUERQUE, NEW MEXICO

NEW MEXICO OIL CONSERVATION COMMISSION
MABRY HALL - STATE CAPITOL
SANTA FE, NEW MEXICO

REGISTER

HEARING DATE June 20, 1956 TIME: 9:00 a.m.

NAME:	REPRESENTING:	LOCATION
Rayton G. Webb	Sinclair oil & Gas Co.	Midland, Tex.
John M. Webster	Sinclair oil & Gas Co.	Midland, Texas
B.G. IVERSON	KEWANEE Oil Co.	ODESSA, TEXAS
J.F. HARRISON	KEWANEE Oil Co.	MALAMAR, N.M.
of I. Hanner	etc, Kewanee	Lorington
G.W. Eaton, Jr.	Stanolind oil and Gas	Roswell, N.M.
Charles Beal	Darney Lockburn	Hobbs, NM
J.W. Meek	STANOLIND OIL & GAS	ROSWELL N.M.
Ross L. Malone	Stanolind	Roswell, N.M.
C.M. Leder	OCC	Hobbs
J.W. Runyan	OCC	Hobbs
Jack M. Campbell	Campbell & Russell	Roswell NM

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO
JUNE 20, 1956

IN THE MATTER OF: :

CASE 1072: (Readvertisement) Application of the :
Kewanee Oil Company in compliance with :
Rule 701 (a) of the Commission State- :
wide Rules and Regulations for an :
order granting permission to inject :
water into its Pearl Well No. 26 in the :
NW/4 SW/4 of Section 30, Township 17 :
South, Range 33 East, Maljamar Pool, :
Lea County, New Mexico, for the purpose :
of secondary recovery and secondly for :
permission to abandon gas injection :
heretofore used on said well. Appli- :
cant, in the above-styled cause, seeks :
an order granting permission to inject :
water into its Pearl Well No. 26 lo- :
cated 2615 feet from the South line and :
25 feet from the West line of Section :
30, Township 17 South, Range 33 East, :
Lea County, New Mexico, for the purpose :
of secondary recovery from the Grayburg :
formation of the Maljamar Pool, and :
further applicant requests permission :
to abandon its practice of gas inject- :
ion into said well previously granted :
by Order R-146. :

BEFORE:

Mr. Daniel S. Nutter, Examiner.

P R O C E E D I N G S

MR. NUTTER: The hearing will come to order. The first case on the docket this morning will be Case 1072, the Application of the Kewanee Oil Company in compliance with Rule 701 (a) of the Commission Statewide Rules and Regulations for an order granting permission to inject water into its Pearl Well No. 26 in the NW/4 SW/4 of Section 30, Township 17 South, Range 33 East.

B. G. I V E R S O N,

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

DIRECT EXAMINATION

BY MR. HANNERS:

Q Your name is B. G. Iverson? A Yes.

Q You live at Odessa? A Right.

Q What is your position with the Kewanee Oil Company?

A A division engineer for the western division.

Q Do you have charge of the Maljamar area?

A It comes under our jurisdiction.

Q In your Odessa office? A Yes, sir.

Q Do you hold a degree in engineering, Mr. Iverson?

A Yes, sir, I do.

Q What school? A Texas Tech.

Q What year? A 1949.

Q Have you been associated with Kewanee since that time?

A Yes, sir, I have.

Q You have been actively in charge of the Maljamar district?

A For the past year, I have been in the Odessa office, and also was in Maljamar for three years.

Q Mr. Iverson, this is an application to convert a gas injection well to a water injection well, the well being Pearl Well No.26. Tell me, sir, in 1952 was your company given permission to inject gas into three of the wells on your Pearl lease and describe that by land description in that application. Were you given permission in 1952?

A Yes, sir.

Q And this is an application to abandon that gas injection in your Pearl Well No. 26, and to initiate a pilot water flood operation?

A That's right.

Q Turning now to your application, do you have a copy of your application?

A No, sir, I don't.

Q I will loan you one. Does the application state which has been --

MR. GURLEY: Mr. Hanners, do you wish to have this man qualified as an expert witness?

MR. HANNERS: Yes, sir.

MR. GURLEY: Will you ask the question?

Q Have you previously testified in the hearing before the Commission?

A No, sir.

Q I believe you testified you received a degree in Petroleum Engineering in what year?

A 1949.

Q And have you been actively engaged in the practice of your profession since that time?

A That is right.

MR. HANNERS: Has the Commission any further questions?

MR. NUTTER: No, sir.

MR. HANNERS: Thank you, sir.

Q In the application which has been filed with the Commission, Mr. Iverson, does it show the location of your Pearl Well No. 26?

A Yes, sir.

Q From what formation are the wells on the adjoining area of your Pearl lease producing?

A They produce from the Grayburg, locally referred to as the Sixth Zone.

Q Does your application attach a log of the intake well in your Pearl oil lease?

A A driller's log, only.

Q Where would you obtain the water that you would inject into the Pearl Well?

A We have an abandoned oil well in the SE/4 of Section 25, which adjoins this section, and we have gone into that well and re-completed it in the Rustler Formation as a water producing well.

Q Is that the well that you name on your chart as your Pearl 12, water supply?

A That is right.

Q Have you attached to the application a platt showing the location of the intake well?

A Yes, sir.

Q The location of other wells on your Pearl lease?

A Yes, sir.

Q And showing the operators within the half mile radius on your Pearl lease?

A Yes, sir, we have.

Q How will you accomplish the water injection?

A Through two-inch tubing with a production packer set inside the casing near the shoe, injected by pump pressure.

Q Is there also attached to your application a description of the casing in your intake well?

A We have a description of the casing as to size and casing depth and how many sacks of cement were used.

Q Mr. Iverson, what is the purpose of your water injection application, for what purpose was it made?

A Well, for -- to receive greater ultimate recovery, help in prevention of waste in the interest of conservation.

Q Is it your opinion that the granting of the Commission to convert from gas to pilot water injection on the Well 26 will permit greater ultimate recovery and be in the interest of conservation and prevention of waste?

A Very definitely.

MR. HANNERS: Has the examiner any questions?

MR. NUTTER: Yes.

Q (By Mr. Nutter.) I think as a matter of record you should read these casing and cementing programs into the record.

A The description of the intake well casing is as follows: Eight and five-eighths inch set at 1272 feet, cemented with 100 sacks; seven inch set at 3930, cemented with 200 sacks.

Q What is the location of that well, Mr. Iverson?

A The location is 2,615 feet from the South line, 25 feet from the West line of Section 30, Township 17 South, Range 33 East.

Q And that is your Pearl Well No. 26?

A Pearl Well 26.

MR. HANNERS: That was a Five Spot location?

A It was drilled as a Five Spot location with approval from the Commission.

MR. HANNERS: Have you had a similar application with the United States Geological Survey?

A Yes, sir, we have.

MR. HANNERS: Does the examiner have any further questions?

MR. NUTTER: No, I don't think so. Are you going to introduce these logs as exhibits?

MR. HANNERS: Yes, sir. The logs and platts are attached to our application which is filed as part of the record, and we

thought to simplify it by not offering here additional exhibits. We recommend that the application be granted.

MR. NUTTER: Does anyone have any questions of the witness?

Q (By Mr. Reeder.) Mr. Iverson, have you any water analysis on the water which you propose to use?

A Yes, sir, we have taken several analyses of them and the water does appear compatible. In other words, it will mix with the water in the Grayburg Formation.

Q Do you have that analysis with you?

A No, sir, I don't.

Q Do you recall roughly the chloride content of that water?

A No, sir, I don't.

Q This water source, is that immediately above the salt?

A Yes, sir, it is probably the last red bed and sand zones of that salt, we have opened in that well perforated intervals between 750 and 899 -- I'm sorry, 954.

Q 750 and --

A 954.

Q Would this water be considered compatible, do you recall from the analysis?

A I don't think it would be.

Q Is it brackish?

A Brackish water, not very much so.

Q Would it be possible for you to furnish the Commission with a copy of the water analysis that you have? A Yes, sir.

MR. REEDER: I believe that is all.

MR. HANNERS: We will furnish the copy of the analysis if you desire.

MR. NUTTER: Does anyone else have any further questions of the witness? If not, the witness may be excused.

(Witness excused.)

MR. NUTTER: Does anyone have any further statements or testimony in this case? If not, we will take the case under advisement.

* * * * *

C E R T I F I C A T E

STATE OF NEW MEXICO)

:ss
COUNTY OF BERNALILLO)

I, THURMAN J. MOODY, Notary Public 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 Stenotype and later same was reduced to typewritten transcript by me and/or under my personal supervision, and that same is a true and correct transcript to the best of my knowledge, skill and ability.

WITNESS my Hand and Seal, this, the 26th day of June, 1956, in the City of Albuquerque, County of Bernalillo, State of New Mexico.


Notary Public

MY COMMISSION EXPIRES

April 3, 1960.

BEFORE THE
OIL CONSERVATION COMMISSION
Hobbs, New Mexico
May 23, 1956

IN THE MATTER OF:)
CASE NO. 1072)

TRANSCRIPT OF PROCEEDINGS

NEW MEXICO OIL CONSERVATION COMMISSION
 MABRY HALL - STATE CAPITOL
 SANTA FE, NEW MEXICO

REGISTER

HEARING DATE May 23, 1956 TIME: 9:00 a.m.

NAME:	REPRESENTING:	LOCATION
<i>Humboldt</i>	<i>Humboldt Oil Co</i>	<i>Hobbs,</i>
<i>J. M. M. Cague</i>	<i>Shell Oil Co</i>	<i>FARMINGTON NM</i>
<i>E. J. Ford</i>	<i>EL PASO NAT. GAS</i>	
<i>James C. Thudiner</i>	<i>El Paso Nat. Gas Co.</i>	<i>El Paso, Texas</i>
<i>John D. Albright</i>	<i>Cities Service</i>	<i>Hobbs, N. M.</i>
<i>D. C. Morris</i>	<i>Ohio Oil Co.</i>	<i>Midland, Texas</i>
<i>Tom Steele</i>	" " "	" "
<i>S. O. Terrell Couch</i>	" " "	<i>Kovaton "</i>
<i>J. W. Neal</i>	<i>R. Olsen</i>	<i>Hobbs</i>
<i>C. M. Ruder</i>	<i>OCC</i>	<i>Hobbs,</i>
<i>Thudiner</i>	<i>OCC</i>	<i>S. F.,</i>
<i>J. W. Graybeal</i>	<i>Humble</i>	<i>Midland</i>
<i>H. P. Herald Jr</i>	"	<i>Hobbs.</i>

OIL CONSERVATION COMMISSION
Hobbs, New Mexico
May 23, 1956

In the matter of the application of the
Kewanee Oil Company in compliance with
Rule 701 (a) of the Commission Statewide
Rules and Regulations for an order grant-
ing permission to inject water into its
Pearl Well No. 26 in the NW/4 SW/4 of
Section 30, Township 17 South, Range 33
East, Maljamar Pool, Lea County, New Mex-
ico, for the purpose of secondary recovery
and secondly for permission to abandon gas
injection heretofore used on said well.

CASE No. 1072

Applicant, in the above-styled cause, seeks
an order granting permission to inject water
into its Pearl Well No. 26 located 2615 feet
from the South line and 25 feet from the West
line of Section 30, Township 17 South, Range
33 East, Lea County, New Mexico, for the pur-
pose of secondary recovery from the Grayburg
formation of the Maljamar Pool, and further
applicant requests permission to abandon its
practice of gas injection into said well
previously granted by Order R-146.

DIRECT EXAMINATION

EXAMINER MANKIN: The hearing will come to order. The first case on the docket today is Case No. 1072, the application of Kewanee Oil Company in compliance with Rule 701-A, for an order granting permission to inject water into its Pearl Well No. 26 in the Maljamar Pool, Lea County, New Mexico. We have received a letter dated May 8, 1956, addressed to the Oil Conservation Commission, a letter from G. T. Hanners, Counsel representing Kewanee Oil Company, the following letter: "Gentlemen, the water injection application of Kewanee Oil Company has been set for a hearing before the Examiner at Hobbs on the morning

of May 23rd, but I have a conflicting prior setting with certain court appeals in Denver for the same time; I therefore, ask that the May 23rd hearing shall be continued until such time soon thereafter as cases will again come on for hearing before the Examiner at Hobbs." Signed, Very truly, G. T. Hanners, Counsel for Kewanee Oil Company. Based upon the letter from the applicant in this case, this case, without objection, will be continued to the next Examiner Hearing at Hobbs, which will be June 20, 1956, at 9 a.m., before Examiner, Dan S. Nutter. As such will be readvertised for that particular Examiner Hearing. Is there objection to continuing this case? If not, the case will be so continued to June 20, 1956.

STATE OF NEW MEXICO)
 :
COUNTY OF SANTA FE)

ss

I, Nancy Chowning, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission Examiner at Hobbs, New Mexico, is a true and correct record, to the best of my knowledge, skill and ability.

Dated at Santa Fe, New Mexico this 25th day of September, 1956.

Nancy Chowning