

CASE 2647: Application of CARPER
DRLC. for a tubingless completion
of its BAETZ WELL NO. 1, CHAVES CO.

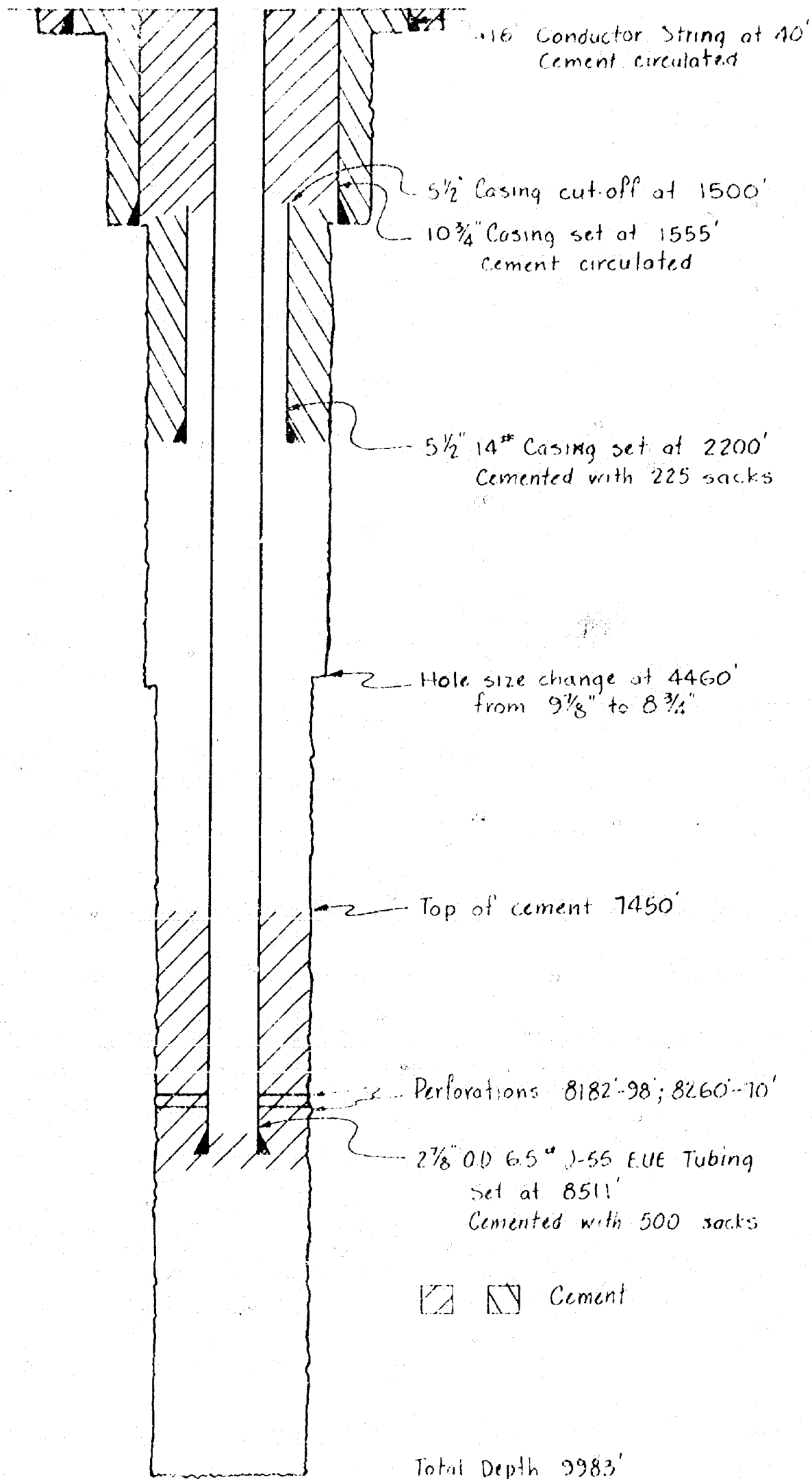
Cont. to
Oct 10

2647

ation, Transcript,
// Exhibits, Etc.

BEATZ No. 1

SECTION 35, T-14-S, R-27-E



Circ 2647
E4-11-2

DRAFT

JMD/esr
October 22, 1962

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2647

Order No. R-2345

APPLICATION OF CARPER DRILLING COMPANY, INC.
FOR A TUBINGLESS COMPLETION, CHAVES
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 10, 1962, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this _____ day of October, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Carper Drilling Company, Inc., seeks authority to complete its Baetz Well No. 1, located in Unit N of Section 35, Township 14 South, Range 27 East, NMPM, Chaves County, New Mexico, as a tubingless gas well completion to produce gas from the Pennsylvanian formation through 2 7/8-inch casing, at an ~~approximate depth of 8182 to 8270 feet.~~
- (3) That the evidence establishes that the subject well had previously been plugged and abandoned and was completed ^{by the applicant} as a salvage operation with ^{installation of} as large a casing as was practicable under the circumstances.
- (4) That approval of the subject application will neither cause waste nor impair correlative rights and will be in the interest of conservation.

IT IS THEREFORE ORDERED:

(1) That the applicant, Carper Drilling Company, Inc., is hereby authorized to complete its Baetz Well No. 1, located in Unit N of Section 35, Township 14 South, Range 27 East, NMPM, Chaves County, New Mexico, as a tubingless gas well completion to produce gas from the Pennsylvanian formation through 2 7/8-inch casing, ~~at an approximate depth of 8182 to 8270 feet.~~

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

A. J. LOSEE
EDWARD B. STEWART

LAW OFFICES
LOSEE AND STEWART
CARPER BUILDING - P. O. DRAWER 239
ARTESIA, NEW MEXICO

21 September 1962

Mr. Daniel S. Nutter, Chief Engineer
New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Re: Case No. 2647 - Application of Carper
Drilling Company, Inc. for Baetz Well
No. 1 Slim Hole Completion.

Dear Mr. Nutter:

I understand that the subject case has been set for hearing before an examiner on September 27, 1962. On behalf of Carper Drilling Company, Inc., I hereby request that this case be continued until the October 10, 1962, examiner hearing.

Unless I hear from you to the contrary, I will assume that this case has been continued until the date requested.

Very truly yours,


A. J. Losee

AJL:jat

cc: Carper Drilling Company, Inc.

DOCKET MAILED

Date 9/28/62


OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

Case 2647

C
O
P
Y

September 10, 1962

Carper Drilling Company
Carper Building
Artesia, New Mexico

Attention: Mr. Clark E. Storm

Gentlemen:

Reference is made to your letter of September 4, 1962, wherein you requested approval of the tubingless completion of your Eastz Well No. 1, located in the SE/4 SW/4 of Section 35, Township 14 South, Range 27 East, Chaves County, New Mexico.

It will be necessary that this case be docketed for hearing before approval can be given. We are, therefore, setting this case for hearing at 9:00 o'clock on September 27, 1962.

Very truly yours,

DANIEL S. NUTTER
Chief Engineer

DSN/og

cc: Mr. M. L. Armstrong
Oil Conservation Commission
Artesia, New Mexico

*Do not
mail
9/12/62
JP*

Orld orig by Richfield 47-48 to 9982.
Then re-entered by Calif out for Copland.
Jan 55 to 2200 prof 2030 - 2153
pumped advice from San Andres
P & A.
Reentered in Jan 62 caught in Feb.

- CASE 2657: Application of Odessa Natural Gasoline Company for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks establishment of a 320-acre non-standard gas proration unit comprising the SE/4 of Section 23 and the NE/4 of Section 26, Township 25 South, Range 37 East, Justis Gas Pool, Lea County, New Mexico, to be dedicated to its Carlson "A" Well No. 1 located in Unit P of said Section 23.
- CASE 2658: Application of Cabot Corporation for temporary special rules and regulations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order promulgating temporary special rules and regulations for the North Bagley-Pennsylvanian Pool, Lea County, New Mexico, including provisions for 80-acre proration units.
- CASE 2659: Application of Cabot Corporation for the creation of a new oil pool and the establishment of temporary rules and regulations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool to be designated the North Bagley-Wolfcamp Pool for its Humble State Well No. 1, located in the NW/4 NW/4 of Section 23, Township 11 South, Range 33 East, Lea County, New Mexico. Applicant further seeks establishment of temporary rules and regulations governing said pool including provisions for 80-acre proration units.
- CASE 2660: Application of Midwest Oil Corporation for the creation of a new oil pool and for the establishment of temporary special rules and regulations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Pennsylvanian production in the vicinity of its LLE State Well No. 1, located in the NW/4 SW/4 of Section 14, Township 10 South, Range 33 East, Lea County, New Mexico. Applicant further seeks the promulgation of temporary special rules and regulations governing said pool to include provisions for 80-acre proration units and fixed well location requirements.
- CASE 2661: Application of Pan American Petroleum Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the triple completion (conventional) of its Southland Royalty "A" Well No. 2, located in Unit B of Section 9, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce

oil from the Drinkard and Blinebry formations and gas from the Tubb formation through parallel strings of tubing.

CASE 2662: Application of Pan American Petroleum Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the triple completion (conventional) of its South Mattix Unit Well No. 14, located in Unit K of Section 15, Township 24 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce gas from the Fowler Paddock and an undesignated Tubb pool, and oil from an undesignated Blinebry pool through parallel strings of tubing.

CASE 2663: Application of Arnold H. Bruner for permission to directionally drill, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to directionally drill his Federal Intex Well No. 1, the surface location of which is in the center of the NW/4 SE/4 of Section 8, Township 9 South, Range 37 East, Allison Pennsylvanian Pool (extension), Lea County, New Mexico. Target for said directionally drilled well would be 100 feet from the North and West lines of the NW/4 SE/4 of said Section 8.

CASE 2664: Application of Southwest Production Company for a dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its Davis Federal Well No. 1, located in Unit L of Section 24, Township 26 North, Range 11 West, San Juan County, New Mexico, as a dual completion with production of oil from the Gallup zone and production of gas from the Dakota zone to be through parallel strings of 1 1/4-inch tubing.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date Oct 15

CASE 2647 Hearing Date 9 am Oct 10
DSN (D) SF

My recommendations for an order in the above numbered cases are as follows:

Enter an order approving the
subsequent completion of Carper
Drilling Co's Bastz #1 SE/4 SW/4 35,
T14 S, R27 E, Chaves Co., New Mexico,
to produce gas from the pennsylv-
anian formation thru 2 7/8 casing.

Completion of this well was
a salvage operation of an
old hole which had previously
been plugged and abandoned,
and operator equipped well
with as large casing as
possible under the circumstances.

Sam R. Turner
Staff Engineer

CARPER

DRILLING COMPANY, INC.

O I L P R O D U C T I O N A N D D R I L L I N G

STANLEY CARPER, PRESIDENT
MARSHALL ROWLEY, EXEC. VICE-PRES. & TREAS.
GLENN A. CASKEY, SECRETARY

RECEIVED SEP 11 1962

ARTESIA, NEW MEXICO
CARPER BUILDING
SHERWOOD 6-2783

September 4, 1962

Case 2647

Mr. A. L. Porter, Jr., Secretary & Director
New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

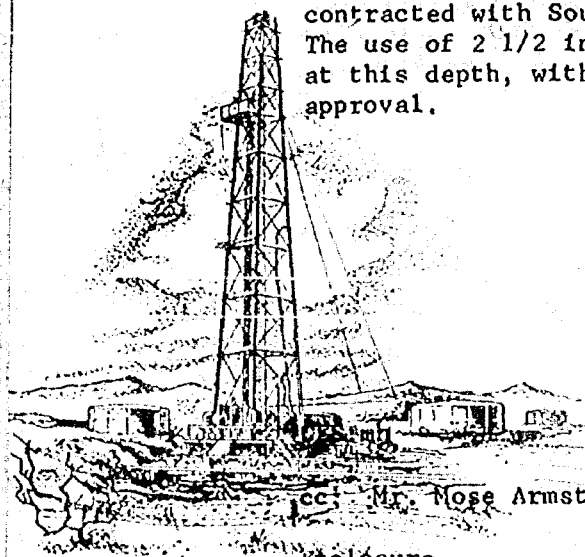
Re: Carper Drilling Co., Inc.
Baetz #1, 660' FSL and
1980' FWL Section 35, T. 14S,
R. 27E., Chaves Co., New
Mexico.

Dear Mr. Porter:

In January and February of this year this company reentered the above well which had been drilled as the Richfield-Trigg #1 to a total depth of 9,983 feet. After it was plugged by Richfield some operators came in from California and tried to make a San Andres well out of it and failed. As the sketch will show, they left about 700 feet of cemented 5 1/2 inch, 14# casing in it.

In order to make the operation as inexpensive as possible, it was decided to use the largest tubing that would go through the 5 1/2 inch for drill pipe and cement it in place and test through it. 2 1/2 inch EUE tubing was the largest that would go through the 5 1/2 inch casing.

The operation resulted in a gas well and we have recently contracted with Southern Union Gas Company for the sale of the gas. The use of 2 1/2 inch tubing for "slim-hole" casing is not acceptable at this depth, without your approval. We would like to have your approval.



cc: Mr. Nose Armstrong

Enclosure

Very truly yours,

CARPER DRILLING COMPANY, INC.

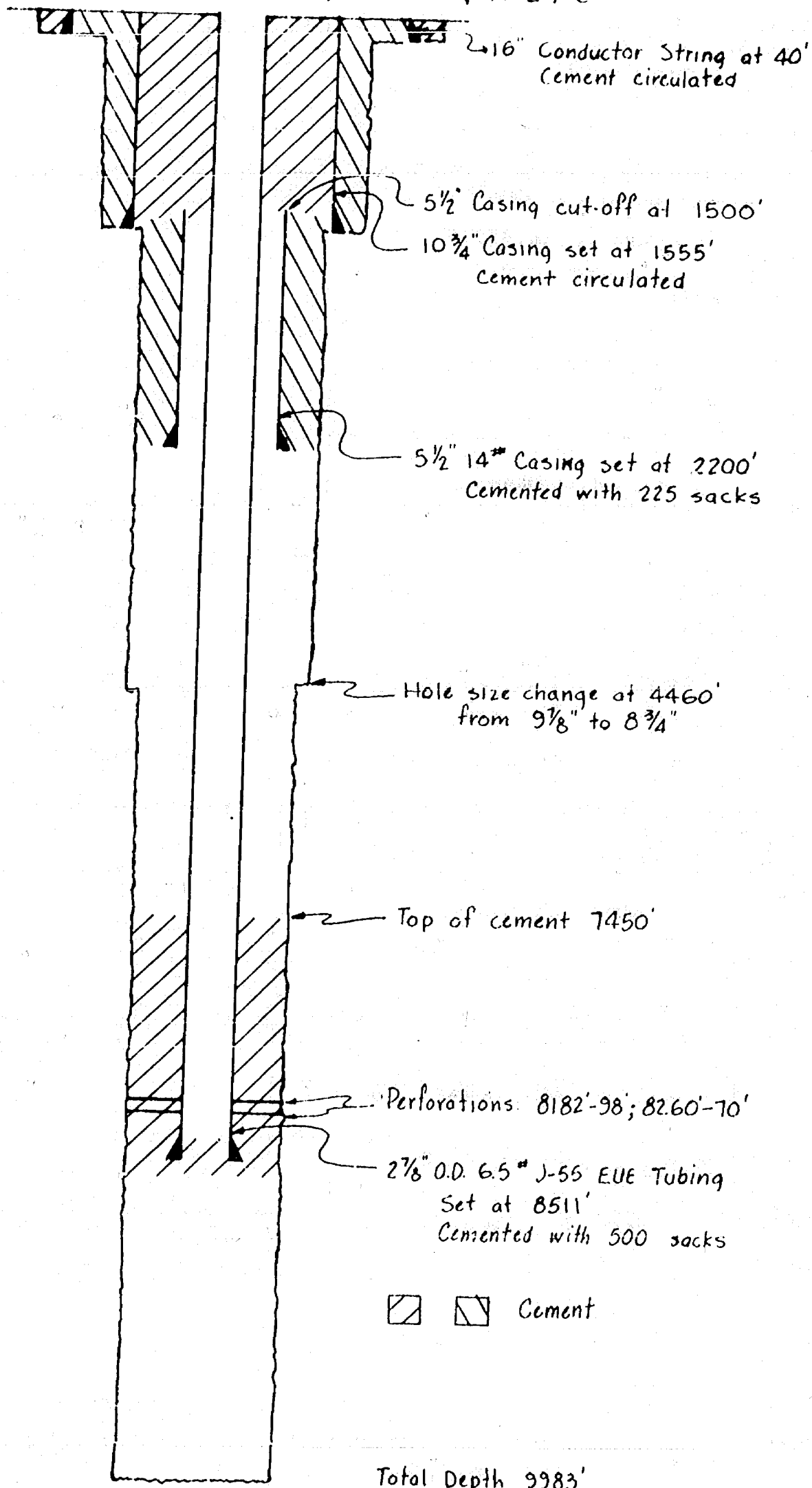
Clark E. Storm

Clark E. Storm
Production Superintendent

CARPER DRILLING COMPANY, INC.

BEATZ No. 1

SECTION 35, T-14-S, R-27-E



State of New Mexico
Oil Conservation Commission



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

October 23, 1962

Re: Case No. 2647
Order No. B-2345
Applicant:
Carper Drilling Company

OTHER _____

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2647
Order No. R-2345

APPLICATION OF CARPER DRILLING
COMPANY, INC. FOR A TUBINGLESS
COMPLETION, CHAVES COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 10, 1962, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 25th day of October, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Carper Drilling Company, Inc., seeks authority to complete its Baetz Well No. 1, located in Unit M of Section 35, Township 14 South, Range 27 East, NMPM, Chaves County, New Mexico, as a tubingless gas well completion to produce gas from the Pennsylvanian formation through 2 7/8-inch casing.

(3) That the evidence establishes that the subject well had previously been plugged and abandoned and was completed by the applicant as a salvage operation with installation of as large a casing as was practicable under the circumstances.

(4) That approval of the subject application will neither cause waste nor impair correlative rights and will be in the interest of conservation.

IT IS THEREFORE ORDERED:

(1) That the applicant, Carper Drilling Company, Inc., is hereby authorized to complete its Baetz Well No. 1, located in

-2-

CASE No. 2647

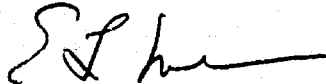
Order No. R-2345

Unit N of Section 35, Township 14 South, Range 27 East, NMPM, Chaves County, New Mexico, as a tubingless gas well completion to produce gas from the Pennsylvanian formation through 2 7/8-inch casing.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

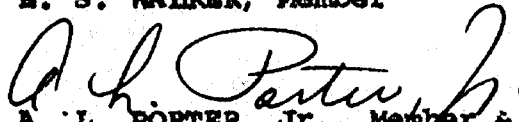
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



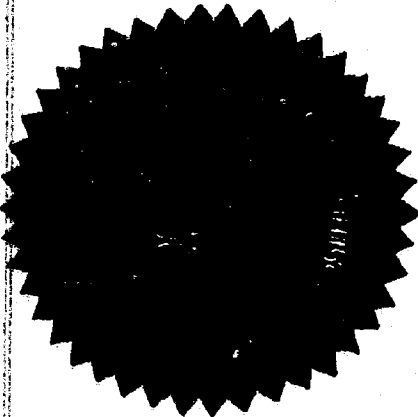
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



A. L. PORTER, Jr., Member & Secretary



ear/

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

September 27, 1962

EXAMINER HEARING

IN THE MATTER OF:

Application of Carper Drilling Com-
pany for a tubingless completion,
Chaves County, New Mexico. Applicant,
in the above-styled cause, seeks
authority to complete its Baetz Well
No. 1, located in the SE/4 SW/4 of
Section 35, Township 14 South, Range
27 East, Chaves County, New Mexico, as
a tubingless gas well completion pro-
ducing through perforations from 8182-
8270' in 2 7/8 inch casing.

Case No. 2647

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: The Hearing will come to order, please.

The first case will be 2647.

MR. DURRETT: Application of Carper Drilling Company
for a tubingless completion, Chaves County, New Mexico.

May the Examiner please, the Commission has in its files
and will introduce a letter from Lossee and Stewart received
September 20th, which requests that this case be continued until
October 10, 1962. That is an Examiner Hearing date. If the Ex-
aminer please, I ~~respectfully move this case be continued.~~

DEARNLEY-MEYER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1112

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691



EXAMINER UTZ: It's their desire to **request** to a continuance of Case 2647?

MR. PORTER: To October 10.

MR. DURRETT: October 10.

EXAMINER UTZ: The case will be continued to 10/10/62.

* * *

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, N. M.
PHONE 243-6691

SANTA FE, N. M.
PHONE 983-3971

FARMINGTON, N. M.
PHONE 325-1182



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

I, MICHAEL RICE, NOTARY PUBLIC in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached transcript of proceedings was reported by me in stenotype and that the same was reduced to typewritten transcript under my personal supervision and contains a true and correct record of said proceedings, to the best of my knowledge, skill and ability.

Michael Rice
NOTARY PUBLIC

My Commission Expires:

May 11, 1966

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner's Hearing of Case No. 2647, heard by me on Sept. 27, 1962.

....., Examiner
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325.1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6591

EXAMINER HEARING

Application of Carper Drilling Company for a tubingless completion, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to complete its Baetz Well No. 1, located in the SE/4 SW/4 of Section 35, Township 14 South, Range 27 East, Chaves County, New Mexico, as a tubingless gas well completion producing through perforations from 8182-8270' in 2 7/8 inch casing.

Case 2647

BEFORE: Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

MR. NUTTER: The hearing will come to order, please.
The first case this morning will be Case 2647.

MR. DURRETT: Application of Carper Drilling Company
for a tubingless completion, Chaves County, New Mexico.

MR. LOSEE: A. J. Losee, Losee and Stewart, Artesia,
New Mexico, representing the Applicant Carper Drilling Company.
I have one witness, Mr. Clark Storm.

(Witness sworn.)

(Whereupon, Carper's Exhibits Nos. 1 and 2 were marked for identification.)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. H.
PHONE 325.1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

DIRECT EXAMINATION

BY MR. LOSEE:

Q Would you state your name, please?

A Clark E. Storm.

Q Where do you live, Mr. Storm?

A 1513 Ray, Artesia, New Mexico.

Q What is your occupation?

A Production Superintendent, Carper Drilling Company.

Q Where did you have your public education?

A In Windsor, Illinois.

Q Did you graduate from high school?

A Yes, sir.

Q Your higher education?

A University of Illinois and University of Missouri.

Q Did you obtain any degrees?

A B.S. from the University of Illinois and M.S., University of Missouri.

Q What were the degrees in?

A They were education degrees with minors in science and mathematics.

Q Have you been engaged in the oil and gas industry for the last several years?

A Nineteen years.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

Q Who have you been employed by during this period?

A Loco Hills Pressure Maintenance and Carper Drilling, Inc.

Q How long were you with Loco Hills Pressure Maintenance?

A Three years.

Q And with Carper Drilling Company?

A Sixteen.

Q What is your capacity with Carper Drilling Company?

A Production Superintendent, currently.

Q Have you attended any seminars or schools since your graduation from college?

A Yes, at the University of Oklahoma, gas measurement, and reservoir engineering, New Mexico School of Mines and symposiums on water flood, corrosion and things of that nature.

MR. LOSEE: Are Mr. Storm's qualifications acceptable?

MR. NUTTER: Yes, sir, please proceed.

Q (By Mr. Losee) I'll hand you what has been marked Exhibit 1 and ask you to state what that portrays.

A This shows the location of this particular well in the Southeast of the Southwest of Section 35 marked in red and the yellow represents the Carper Drilling Company acreage in that area.

Q This well you refer to, this is the Baetz No. 1?



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 963-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

A That is right.

Q Did this also show the location of the lessees and the wells that have been drilled within a mile of Section 35 in Township 14 South, Range 27 East?

A Yes, sir.

Q When Carper Drilling Company completed this Baetz No. 1, had the well already been drilled initially?

A Yes, it was drilled initially. Do you want the date?

Q Yes, and by whom.

A It was drilled originally by Richfield on what was called the Trigg lease, then operations began on September 6, 1947 and continued to January 15, 1948. The well was totaled to the depth of 9983.

Q Subsequent to the time Richfield drilled this well, was the hole re-entered by someone other than Carper Drilling Company?

A Yes. An operator by the name Herschell L. Copeland from California went into that well and tried to make the San Andres out of it. They ran 5½" in there to 2200 feet and cemented it and perforated from 2,030 to 2,153, and acidized it and sand fracked it and pumped it a while and then abandoned it.

Q I'll hand you what has been marked Exhibit 2 and ask if you will state what that portrays.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

A This represents the casing that is in it now and the cement of this well as it currently exists.

Q What was the condition of the casing and the cement in the hole at the time Carper entered it?

A Well, this $5\frac{1}{2}$ casing in the cement was in there from about 1500 feet to 2200 feet and then this $10\frac{3}{4}$ was in there from 1555 back to the surface and then there was a 16" conductor string 40 feet. The hole, there was a plug at the end of this $5\frac{1}{2}$ at the bottom end and the rest of it was full of heavy mud.

Q You said $5\frac{1}{2}$, what size collars were on that $5\frac{1}{2}$ " casing?

A Regular $5\frac{1}{2}$ collars.

Q Will you explain to the Commission how Carper completed the well?

A Well, what we wanted to do was to clean it out and leave the drill pipe in there and just cement the bit down there. In order to have any passageway from the inside of this $5\frac{1}{2}$, which the largest it could be was 5.01, the largest we could use was $2\frac{1}{2}$, because those $2\frac{1}{2}$ collars and 3.663" collars and 4.5, and if we had gone any larger we wouldn't have any passageway between the $5\frac{1}{2}$ and the drill pipe. That's the reason we went at it this way and we had a little trouble all right even so.

Q You went in with the bit on the bottom of this 2-7/8?

A Yes, we had to change over the sub from the $2\frac{1}{2}$ to the



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

bit and took it down all the way.

Q On this Exhibit 2 you show the top of the cement on the 2-7/8 as 7450. How did you arrive at that?

A Ran a temperature survey.

Q Are there any productive oil or gas zones from the bottom of this 5½ at 2200 feet down to the top of the cement at 7450?

A No, not that we know of. They tested some other sections.

Q Why do you make the statement that there are no productive zones?

A They cored the well from 8471 to 8491 and from 9664 to 9661 and ran drill stem tests from 8987 to 9091, which resulted in water from 9253 to 9327; they recovered 3276 feet of sulphur water and at 9657 to 9638 they recovered 7957 feet of sulphur water plus a thousand feet of water blanket.

Q That was Richfield?

A That was Richfield that did that.

Q What formations did they try to complete the well Copeland?

A They tested inside the 5½. They perforated from 2030 to 2153. I don't believe that was solid perforations, but some selected zones in there.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

Q What is behind your 2-7/8" from 2200 down to the top of the cement?

A Heavy mud.

Q To your knowledge is there any corrosion problem present in this well?

A Not to my knowledge.

Q What about pressure?

A Not to my knowledge.

Q Would it be possible to complete this well with tubing inside of this 2-7/8"?

A Yes, it would be possible. It would cost us about \$12,000 to do it.

Q What size tubing would that be?

A Inch and a half hydril or something similar to that, if we could get it in there.

Q Is there anything else you would like to state to this Examiner in support of this application, Mr. Storm?

A There's only one other thing we might give them, the date which we re-entered it, I don't know if that's significant. We started on January 26, 1962 and finished on February 2nd, '62.

MR. LOSEE: The applicant will move for the introduction of Exhibits 1 and 2.

MR. NUTTER: Applicant's Exhibits 1 and 2 will be



admitted in evidence.

(Whereupon, Carper's Exhibits Nos. 1 and 2 were admitted in evidence.)

MR. LOSEE: That's the applicant's case.

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

MR. PORTER: Just one.

CROSS EXAMINATION

BY MR. PORTER:

Q What formation is this well to be completed in?

A If you want to be real technical, we would have to call on our geologist, but it's the Pennsylvanian section.

MR. PORTER: That's close enough. Thank you.

BY MR. NUTTER:

Q Did Richfield run any pipe in the well other than the 10-3/4 and the conductor string?

A No, sir.

Q Were they aware of the gas in the Pennsylvanian section at the time they drilled the well?

A I suppose they weren't because they tested some other sections down there and did not test this one.

Q All of their testing was done in the 9,000 foot range, wasn't it, as I recall from your direct testimony?

A Now they had some cores at 8471 and the drill stem

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691



tests were all within the 9,000 foot range, that's right.

Q Did they plug and abandon the well before Copeland re-entered it?

A I'm not real certain of that. The records are sort of indefinite it seems.

Q But Copeland re-entered and ran 5½" pipe to 2200 feet, perforated it and then pumped the San Andres for a while?

A That's right.

Q It did make some oil in the San Andres?

A Well, it's reported that it was making three barrels a day when it was completed, but if you want to report some other things, they got in a hurry and thought they had a well when it was load oil. I don't know if that's right or wrong, that's what we hear. That led them to drill some more, they tested one and they didn't get into the pay section before they abandoned it.

Q The well that's directly east of this well on your Exhibit 1 would be one of the San Andres that they attempted to complete?

A That's right.

Q And also the one southeast?

A That's right.

Q Then subsequently Copeland cut off the 5½" pipe and plugged and abandoned the well, is that right?

DEARNLEY-MEIER REPORTING SERVICE, Inc.

ALBUQUERQUE, N. M.
PHONE 243-6691

SANTA FE, N. M.
PHONE 983-3971

FARMINGTON, N. M.
PHONE 325-1182



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

A Well, the fact of the matter is that there was a lien on the well somewhere or another.

Q Someone cut the pipe off and plugged and abandoned?

A That's right. Mr. Copeland didn't, I don't believe.

Q What is the interval from the bottom of the cemented section below the shoe of your 2-7/8? I guess it would be a bit, what's in the interval from there on down to total depth?

A Heavy mud only, as far as we can tell.

Q Your drill pipe there is set at 8511, is that correct?

A Correct.

Q So there is a minimum of a couple hundred or two hundred thirty or forty feet of cement from the lowermost perforation to the bottom of the cement or the top of the heavy mud separating the Pennsylvanian perforations from the salt water producing zones in the bottom of the well?

A Yes, something of that nature.

Q Has an analysis been made of this gas?

A No, sir.

Q Do you know off-hand whether it's a sour gas or a sweet gas?

A It's a sweet gas. That analysis has been made. I thought you meant the actual chemical composition.

Q It potentialized from 3.61 million cubic feet?



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

A Yes, sir.

Q Do you have a bottom hole pressure?

A Yes, sir. It's 3187.

Q That's bottom hole?

A That is right, bottom hole pressure.

MR. NUTTER: Any further questions of Mr. Storm?

MR. PORTER: Just one, Mr. Nutter.

BY MR. PORTER:

Q Are there any other Pennsylvanian wells in this area close by or what's the nearest Pennsylvanian well in this area?

A The closest one is the Duckfield, the exact distance I couldn't tell you.

Q Several miles, would you say?

A It's approximately ten miles.

MR. PORTER: Thank you.

MR. NUTTER: Any further questions of Mr. Storm? He may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything further, Mr. Losee?

MR. LOSEE: No, sir.

MR. NUTTER: Does anyone have anything they wish to offer in Case 2647? We will take the case under advisement.



STATE OF NEW MEXICO)
) ss
 COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 2nd day of November, 1962.

Ada Dearnley
 Notary Public-Court Reporter

My commission expires:

June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2647, heard by me on 10/10, 19 62.

[Signature], Examiner
 New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
 PHONE 325-1182

SANTA FE, N. M.
 PHONE 983-3971

ALBUQUERQUE, N. M.
 PHONE 243-6691



NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

REGISTERHEARING DATE OCTOBER 10, 1962 TIME: 9 A.M.

NAME:	REPRESENTING:	LOCATION:
A. J. Loser	Loser & Stewart	Artesia N.M.
Richard S. Morris	Seth Montgomery, Idem & Anderson	Santa Fe
Francis S. Brown	Kerr, Conn & Davis	Okla. City, Okla.
Tracy P. Clark	Casper Ind. Co., Inc.	Artesia, N. Mex.
Marshall Rowley	—	—
Clark E. Brown	O. C. C.	Santa Fe
A. L. Foster	Pan American Pet. Corp.	Lubbock, Texas
Robert E. Smith	—	—
Charles D. Malone	Utwood & Malone	Roswell
Frank E. Lohy	State Engr. Office	Santa Fe
Jack Beuchler	Western Devel. Co.	Artesia
M. T. Johnson	Odessa Nat. Gas Co.	Odessa, Texas
J. P. Butler	—	Roswell
M. E. Dittler	Western Development Co.	Demon, Colo.
D. M. Mershon	Western Development Co.	Artesia, N. Mex.
Dick Norenson	Western Development Co.	Artesia N. Mex.

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

REGISTER

HEARING DATE OCTOBER 10, 1962 TIME: 9 A.M.

NAME	REPRESENTING:	LOCATION:
D. P. Yates	Self	Artesia
Mortimer Yates III	Self	Artesia, N. M.
Jim McIlhenny	Hummer	Amante, Tex
Jason Kellahin	Kellahin & Fox	Santa Fe, N. M.
W. H. Long	Colbert Co. Inc.	Pangua, Texas
John Long	Great Western	Roswell, NM
John Long	Great Western	Midland