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THE TEXAS COMPANY

TEXACO PETROLEUM PRODUCTS



PRODUCING DEPARTMENT
WEST TEXAS DIVISION
C. B. WILLIAMS, DIVISION MANAGER

February 22, 1951

P. O. BOX 1720
FORT WORTH 1, TEXAS

*Memorandum -
April 1951*

89019 - THE TEXAS COMPANY'S
STATE OF NEW MEXICO "AN" WELL NO. 1
LEA COUNTY, NEW MEXICO

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

26 1951

Gentlemen:

Reference is made to the form letter received from Mr. A. L. Porter regarding the completion of The Texas Company's State of New Mexico "AN" Well No. 1, located in the SE/4 of the SW/4 of Section 22, T-14S, R-33E, Lea County, New Mexico.

This well is located approximately two miles North of the area designated as the Saunders Pool. This well is completed in and producing from the same formation as the wells in the Saunders Pool, and based on presently available geologic data, we are of the opinion that this well is completed in the same reservoir as the wells in the Saunders Pool. However, subsequent development of the area between the subject well and other wells in the Saunders Pool might disprove this conclusion.

We are enclosing herewith a copy of the Schlumberger electrical log on our State of New Mexico "AN" Well No. 1 on which we have indicated the approximate top of the important geological formations penetrated in this well, the casing setting depths, the total depth and plug back total depth, and the perforated section opposite the producing pay. From this electrical log and other records filed with the Commission it may be noted that three strings of casing were used in the completion of this well:

- 13 3/8" surface casing set and cemented at 326 feet in the Redbed section with 340 sacks of cement and circulated to the surface.
- 8 5/8" casing set and cemented at approximately 4165 feet in the San Andres formation with 2300 sacks of cement
- 5 1/2" casing set and cemented through the producing pay at a total depth of 9905 feet with 750 sacks of cement. The top of the cement behind the 5 1/2" casing, as determined by a temperature survey, was 6790 feet.

The cement plug inside the 5 1/2" casing was drilled out to a total depth of 9902 feet which is the plug back total depth of this well. The 5 1/2" casing was perforated from 9875 to 9900 feet with six shots per foot and this perforated section washed with 500 gallons of acid for the completion which has been reported. On a subsea basis this perforated section or producing pay zone is between 5661 and 5686 feet subsea. According to our records the pay zones of wells in the Saunders Pool on a subsea basis are as follows:

Amerada State "SB" No. 1 - 5660 - 5690 feet subsea
Gulf Saunders No. 1 - 5658 - 5686 feet subsea
Shell State "A" No. 1 - 5695 - 5700 feet subsea.

It may be noted from the above figures that the pay zone in all of these wells are practically identical on a subsea basis. Considering this correlation and the fact that The Texas Company's State of New Mexico "AN" Well No. 1 is definitely producing from the same formation as the wells in the Saunders Pool, we are of the opinion that the completion of The Texas Company's State of New Mexico "AN" No. 1 constitutes an extension of the Saunders Pool, and we recommend that the Saunders Pool be extended to include the subject well. However, we have no objections to designating this as a new pool if the Commission is of the opinion that a two mile extension of the Saunders Pool is unreasonable.

We believe that the above data, together with the enclosed electrical log, will materially assist the Commission in determining whether the completion of the subject well constitutes an extension of the Saunders Pool or a new pool. However, we will gladly furnish any available additional information that you may request.

Yours very truly,

THE TEXAS COMPANY

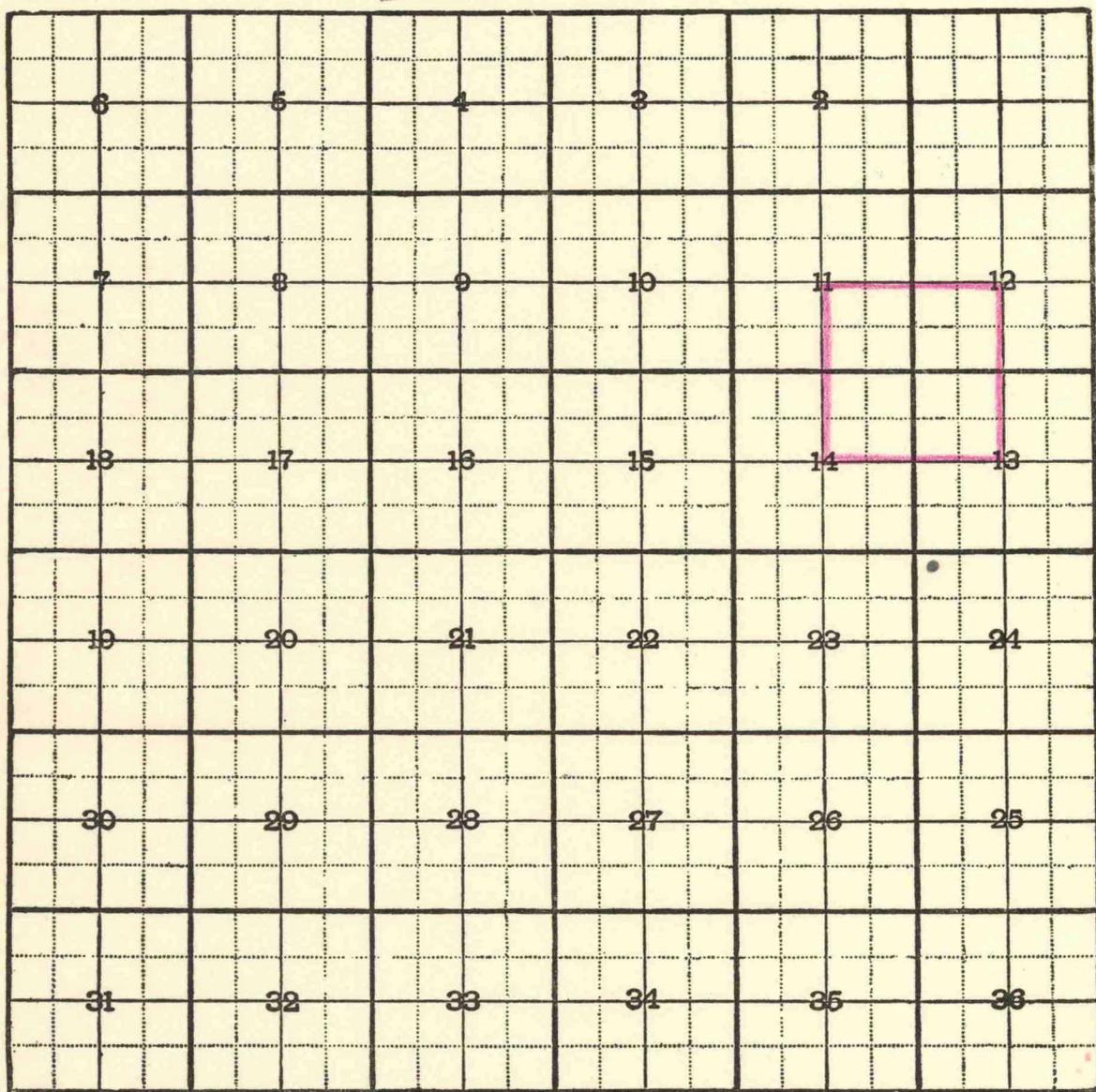


P. D. Grommon, Jr.
Assist. Division Petroleum
Engineer

PDG, Jr-ECH
cc-Mr. A. L. Porter

Enclosure

Township 24S Range 26E County Eddy
Black River



McALESTER FUEL COMPANY

PRODUCTION DEPARTMENT

McALESTER BUILDING

MAGNOLIA, ARKANSAS

February 23, 1951

*Representative
of the well being*

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

26-12S-37E

In reply to the communication received by us on February 21, 1951, from Mr. A. L. Porter, Jr., of the Oil Conservation Commission regarding our Lulu C. Simpson A-1 -B Well, I wish to submit the following information for your consideration. The above well is located 660' South of the North line and 1980' West of the East line (center of NW $\frac{1}{4}$ NE $\frac{1}{4}$) of Section 26, Township 12 South, Range 37 East, Lea County, New Mexico. This well was drilled to a total depth of 12,288' but encountered the top of the Devonian Formation at 12,238' (below the oil-water contact). The well was then plugged back to 9910' and 5 $\frac{1}{2}$ " production casing was set at 9900'. The well was subsequently completed through perforations extending from 9750' to 9765' opposite the Pennsylvanian Formation.

I do not know what the policy of your Commission is regarding extensions to present fields but since this same formation was proved productive by drill stem test in the Brownfield A-1 the Simpson A-1 appears to us to be merely an extension for the Pennsylvanian Pool of the Gladiola Field. We have no further suggestion in this regard but should this designation be agreed upon it appears that the Gladiola Field will have to be extended to include at least portions of Sections 23 and 26. If we can furnish additional information please do not hesitate to call upon us.

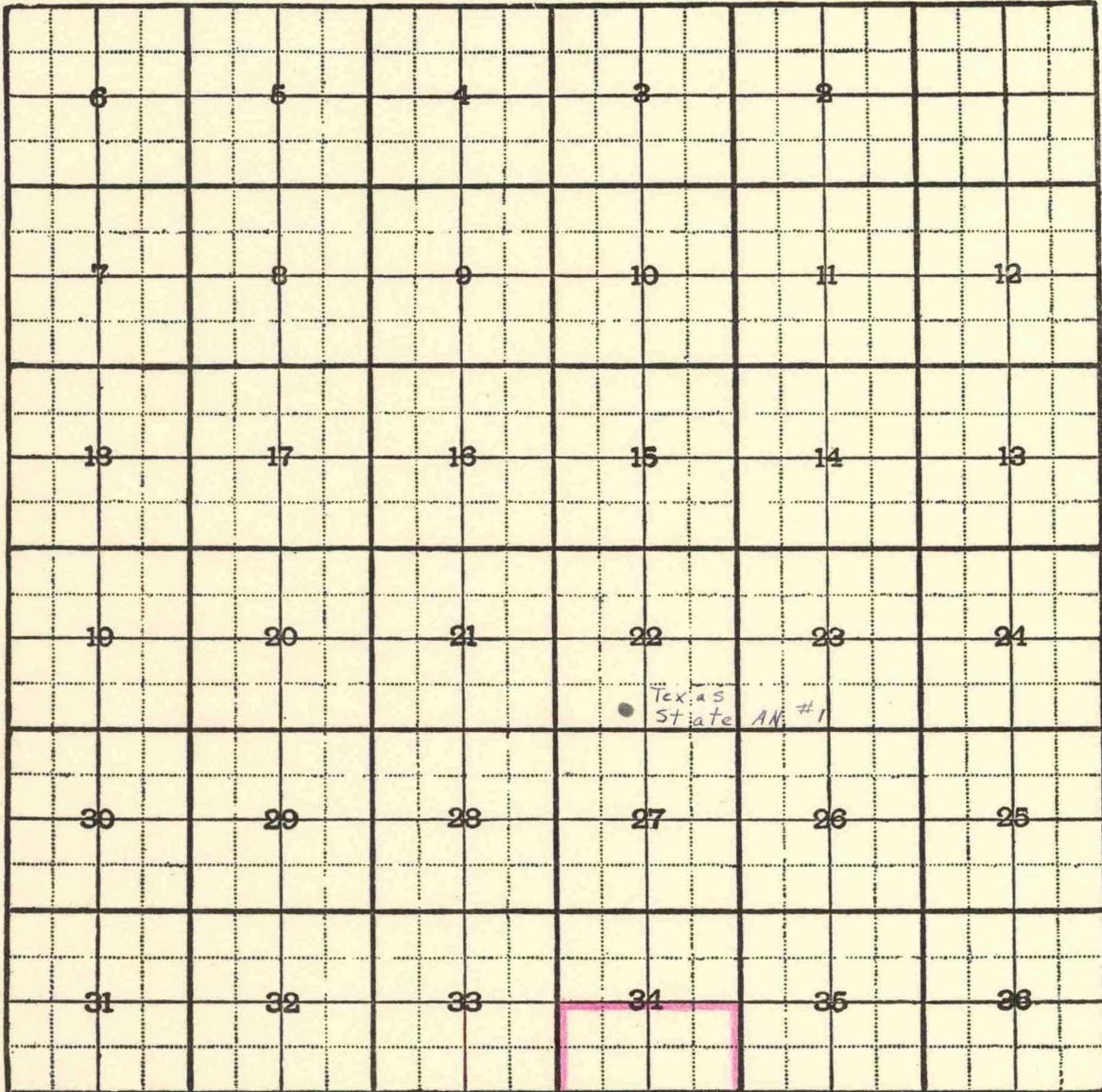
Yours very truly,

McALESTER FUEL COMPANY

BY: Vernon Turner

VJT:jg

Township 14S Range 33E County Lea



$\frac{N}{2}$ Sec. 34 Saunders pool

March 7, 1951

New Mexico Oil Conservation Commission
P. O. Box 1545
Hobbs, New Mexico

Attention: A. L. Porter, Jr.
Proration Manager

Dear Mr. Porter:

In reply to your letter of March 6 in which you state that it will be necessary for us to request an extension of the Fren Pool to include our wells Foster 5-H 2310 N/L and 660 E/L 17-17-31, Foster 6-G 2310 N/L and 1650 E/L 17-17-31.

In filing our completion reports on these wells we merely assumed that these wells were in the Fren pool because they are closer to two of our wells that are in the Fren pool than they are to the Grayburg-Jackson. We do not particularly care which pool these wells are in; however, if there is no pool designation for the area these wells are in if you will send us the proper application forms we will request an extension of the Fren pool.

These are shallow wells and all of our shallow wells are in the Fren pool and our deep wells are in the Grayburg-Jackson pool.

Yours very truly,

WEIER DRILLING COMPANY

By: R. C. Brandon
R. C. Brandon, Sec.

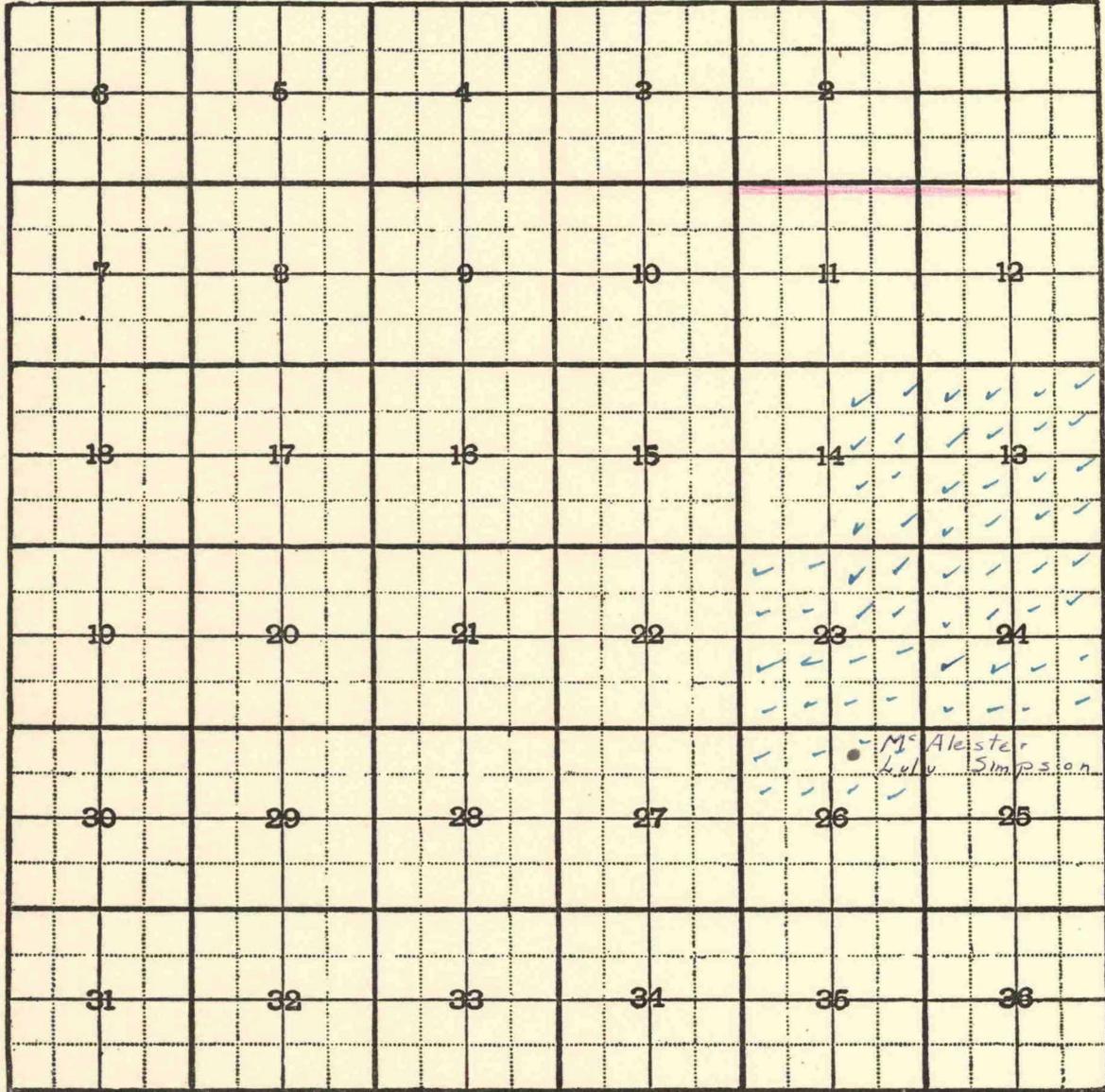
JHK:bh

cc: Mr. R. R. Surrier,
Secretary and Director of the Oil
Conservation Commission
Santa Fe, New Mexico

P Y

Township ~~25~~ Range 37E County

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New Mexico
OIL CONSERVATION COMMISSION

GOVERNOR EDWIN L. MECHEM
CHAIRMAN
LAND COMMISSIONER GUY SHEPARD
MEMBER
STATE GEOLOGIST R. R. SPURRIER
SECRETARY AND DIRECTOR



P. O. BOX 1545
HOBBS, NEW MEXICO

March 8, 1951

Mr. R. R. Spurrier
Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Dear Dick:

I am enclosing a copy of a letter from Mr. R. C.
Brandon of the Weier Drilling Company relative
to extension of the Fren pool.

Yours very truly,

A handwritten signature in cursive script, appearing to read "A. L. Porter, Jr." with a long horizontal flourish extending to the right.

A. L. Porter, Jr.

OIL CONSERVATION COMMISSION

LLF/mv

ALLAN HARGRAVE
P. O. BOX 313
MIDLAND, TEXAS

March 14, 1951.

New Mexico Oil Conservation Commission,
Box 871, Santa Fe, New Mexico.

Re: Allan Hargrave-Bradley No. 1,
330 ft from N. & W. lines
Sec. 24, T-24-S, R-26-E
Eddy County.

Gentlemen:

I have been requested by your Hobbs Office to give you additional information on the above well, other than that given on Form C-104, which I recently sent you.

The well is producing from the Delaware sand from 1973 to 1986 feet. The location is one mile south of the Black River Pool and I do not believe it to be an extension to this pool as there are dry holes immediately south of the pool. However, we are starting a well in the NE of SE of Sec. 23, one mile south of the Bradley well and when this is completed we should know something about the extent of this discovery.

Yours very truly,

Allan Hargrave
Allan Hargrave

HEREERT AID
203 W. Dallas Street
ARTESIA, NEW MEXICO

March 19, 1951

Mr. R. R. Spurrier
NM Oil Conservation Commission
Santa Fe, New Mexico.

Dear Dick:

It probably hasn't come to your attention yet but we have opened a new pool with the Paul C. Teas #1 Bernice Dinnin, 1650 from South, 330 from East of Section 24, T-20-S, R-33-E, Lea County. The IP was 62 barrels in 12 hours pumping with the rig. Pumping unit is now being installed and daily production will be started this week.

The production is from sand 3343-61 (drillers) which is in the second sand zone of the Yates. Base salt was 3090, Top Yates was 3264. The subsurface in the area shows definitely that this is a structure separate from anything else in the area. I would like to see this pool called the "Teas" pool. I know on no land mark or postoffice in the area that has not been ^{used} and mine is a suggestion which you might like to consider when naming this area.

Mr. Teas is a geologist of long experience and had a lot to do with discovering this pool.

Yours very truly,



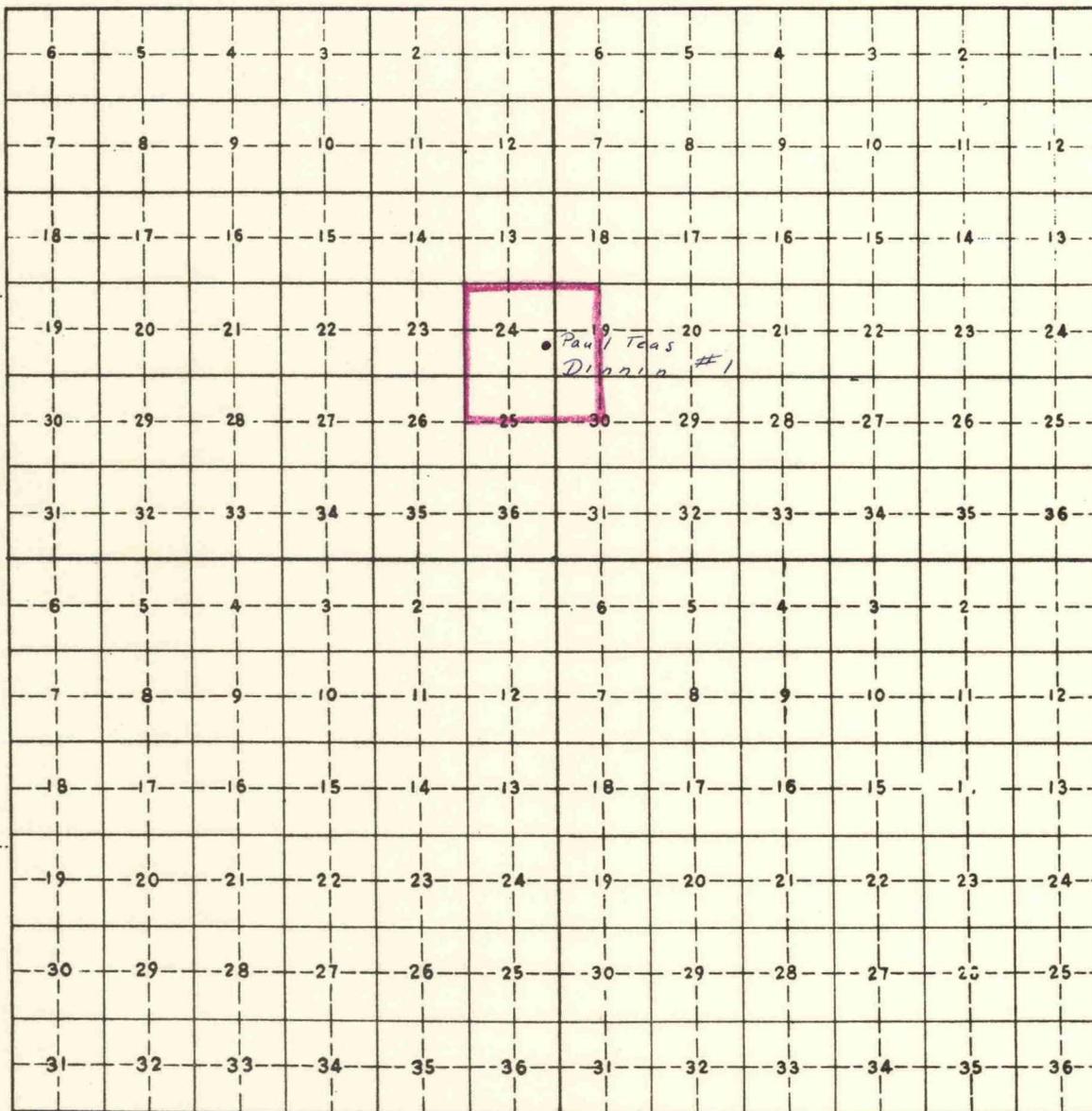
COUNTY

New Pool

BASE AND MERIDIAN

RANGE *33E*

RANGE *34E*



20S - 33E

all Sec. 24

N/2 " 25

20S - 34E

W/2 Sec 19

NW/4 " 30

STATE OF NEW MEXICO
OFFICE OF STATE GEOLOGIST
SANTA FE, NEW MEXICO

April 24, 1951

C
O
P
Y

Daily Current-Argus
Carlsbad, New Mexico

Gentlemen:

We have received the requested copy of legal notice on our Case 266, which you ran on April 2, 1951. For our records, we needed the affidavit of publication in duplicate, and you sent only one copy. Will you please send another? We will be very grateful if we may have this as soon as possible.

Thanks very much,

OIL CONSERVATION COMMISSION

By: 

Re: Case 266

OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

March 30, 1951

C
O
P
Y
Santa Fe New Mexican
Santa Fe,
New Mexico

Gentlemen:

RE: Notice of Publication
Case 266

Attached you will find a Notice of Publication which constitutes a correction in the Oil Conservation Commission complete notice on the captioned case which you ran March 28, 1951.

A technical error in designation was made in our office, so Paragraph (b) of the notice must be run again. We suggest that you run the attached notice headed "Correction" as soon as possible after receipt of this communication.

Upon completion of the publication, please send publisher's affidavit in duplicate.

For payment, please submit statement in duplicate, and sign and return the enclosed voucher.

Very truly yours,

R. R. Spurrier

RRS:nr

OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

March 30, 1951

Sun Publishing Corporation
Box 1547
Hobbs, New Mexico

Gentlemen:

RE: Notice of Publication
Case 266

Attached you will find a Notice of Publication which constitutes a correction in the Oil Conservation Commission complete notice which you ran on March 26, 1951.

A technical error in designation was made in our office, so Paragraph (b) of the notice must be run again. We suggest that you run the attached headed "Correction" as soon as possible after receipt of this communication.

Upon completion of the publication, please send publisher's affidavit in duplicate.

For payment, please submit statement in duplicate, and sign and return the enclosed voucher.

Very truly yours,

R. R. SPURRIER

RRS:nr

C
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OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

March 30, 1951

C
O
P
Y

Mr. Jack Sitton
Carlsbad Current-Argus
CARLSBAD, NEW MEXICO

RE: Notice of Publication
Case 266

Dear Mr. Sitton:

We enclose the portion of the captioned notice which applies to Eddy County and will appreciate your running it immediately upon receipt of this letter. Please have the notice proof-read carefully and send a copy of the paper carrying the notice to our office.

Upon completion of the publication, send publisher's affidavit in duplicate.

For payment, please submit statement in duplicate, and sign and return the enclosed voucher.

It is of particular concern to us that this notice be run at once, because, through error of designation, it was originally sent to a Lea County paper when actually it should have been Eddy County. Thank you very much for your help in correcting the error.

Very truly yours,

R. R. SPURRIER

cc:

Mr. Glenn Staley
Mr. A. L. Porter
Mr. Justin Newman

File

STATE OF NEW MEXICO
OFFICE OF STATE GEOLOGIST
SANTA FE, NEW MEXICO

April 6, 1951

C
O
P
Y

Artesia Advocate
Attention: Mr. Bryan
Artesia, New Mexico

Gentlemen: RE: Notice of Publication
Case 266

Through a technical error in description it becomes necessary for us to have a re-run of Paragraph (b) of Case 266 which you published in the issue dated March 27.

It should be run as shown on the attached copy. You will note that in our original, we showed Lea County when it should have been Eddy.

Please run this as a correction as soon as possible - preferably immediately upon receipt of this letter... For payment, please submit statement in duplicate, and sign and return the enclosed voucher.

Thank you very much for your help in making this correction.

Very truly yours,

R. R. Spurrier
Secretary - Director

RRS:nr

Encl.