

## CLASS OF SERVICE

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# WESTERN UNION TELEGRAM

W. P. MARSHALL, PRESIDENT

1201

## SYMBOLS

DL=Day Letter

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Letter Telegram

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.LA031 SSM200

1961 MAY 16 PM 8 07

L RWA058 PD=ROSWELL NMEX 16 125P MST=

OIL CONSERVATION COMMISSION=

STATE OF NEW MEXICO SANTA FE NMEX=

ATTN A L PORTER JR IN REGARD TO CASE 1669 SCHEDULED  
FOR HEARING ON MAY 17 1961 GULF OIL CORP URGES THE  
COMMISSION TO CONTINUE IN EFFECT THE SPECIAL RULES AND  
REGULATIONS FOR THE ATOKA PENNSYLVANIAN GAS POOL  
EDDY COUNTY NEW MEXICO=

GULF OIL CORP W A SHELLSHEAR...

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

ATWOOD & MALONE  
LAWYERS

JEFF D. ATWOOD (1883-1960)  
ROSS L. MALONE  
CHARLES F. MALONE  
E. KIRK NEWMAN  
RUSSELL D. MANN  
PAUL A. COOTER  
BOB F. TURNER

TELEPHONE MAIN 2-6221  
ROSWELL PETROLEUM BUILDING  
ROSWELL, NEW MEXICO

May 11, 1961

Oil Conservation Commission  
Post Office Box 871  
Santa Fe, New Mexico

Re: Case No. 1669 in the matter of the hearing called  
by the Oil Conservation Commission to show cause why  
the rules and regulations in effect in the Atoka-Pennsyl-  
vanian Gas Pool, Eddy County, New Mexico, should be  
continued.

Gentlemen:

We are local counsel for Pan American Petroleum Corporation  
and as such wish to enter our appearance in the captioned case.  
Pan American will also be represented by Guy Buell, a member  
of the Texas Bar, and a company employee. The actual presen-  
tation for Pan American will be made by Mr. Buell

Very truly yours,

ATWOOD & MALONE

By: 

EKN:ps

cc/ Mr. Guy Buell  
Mr. J. K. Smith

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

May 25, 1960

Mr. Kirk Newman  
Atwood & Malone  
P. O. Box 867  
Roswell, New Mexico

Dear Mr. Newman:

On behalf of your client, Pan American Petroleum Corporation, we enclose a copy of Order R-1417-A in Case 1669 issued by the Oil Conservation Commission this date.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ir/

Carbon copy of Order R-1417-A sent to:

Mr. Guy Buell  
Box 1410 - Ft. Worth, Texas

Mr. Terrell Couch  
Ohio Oil Company  
P. O. Box 3128  
Houston 1, Texas

Oil Conservation Commission:  
Hobbs and Artesia, N. Mex.

Mr. Jason Kellahin  
Santa Fe, New Mexico

C  
O  
P  
Y

# PAN AMERICAN PETROLEUM CORPORATION

OIL AND GAS BUILDING

ALEX CLARKE, JR.  
DIVISION ENGINEER

FORT WORTH, TEXAS

March 25, 1959

File: GWK-4002-986.510.1

Subject: Request for Hearing  
Atoka Pennsylvanian Gas Pool  
Eddy County, New Mexico

New Mexico Oil Conservation Commission  
Capitol Annex Building  
Santa Fe, New Mexico

Gentlemen:

It is respectfully requested that a hearing be docketed at the next regular Commission hearing to consider the application of Pan American Petroleum Corporation for adoption of temporary 320 acre spacing rules for the Atoka Pennsylvanian Gas Pool of Eddy County, New Mexico. Well locations to be requested at this hearing will be 990' from the outer boundary of either the northwest or southeast quarter of a regular governmental section, subject to a variation of 200' for topographic conditions.

Very truly yours,

*Alex Clarke, Jr.*

RVC:lj

*Worked  
Dated  
5-4-60  
Dated  
5-1-59  
JHC*

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# WESTERN UNION

## TELEGRAM

W. P. MARSHALL, PRESIDENT

1201 (4-60)

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1 EA202 SSG327

1960 MAY 13 PM 4 44

L RWA092 NL PD=ROSWELL NMEX 13=

NEW MEXICO OIL CONSERVATION COMMISSION=

PO BOX 871 SANTA FE NMEX=

RE: CASE NO. 1669 ATOKA-PENN POOL AS OPERATORS IN THE  
POOL WE CONCUR WITH PAN AMERICAN'S RECOMMENDATION FOR  
CONTINUANCE OF 320 ACRE SPACING=

NEARBURG &amp; INGRAM TOM L INGRAM,

*Received  
Ingram*

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

## CLASS-OF SERVICE

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# WESTERN UNION

## TELEGRAM

W. P. MARSHALL, President

1201 (4-60)

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LA213 SSK400 L AYA71 1960 MAY 18 AM 8:24 1960 MAY 17 PM 4 57

(L RWA089) LONG PD=ROSWELL NMEX 17 408P MST=

NEW MEXICO OIL CONSERVATION COMMISSION=

STATE CAPITOL BLDG SANTA FE NMEX=

IN THE MATTER OF CASE 1669 TO BE HEARD ON MAY 18, 1960,  
GULF OIL CORPORATION WISHES TO SUBMIT THE FOLLOWING.  
GULF DOES NOT HAVE ANY PRODUCING PROPERTIES IN THE  
ATOKA-PENNSYLVANIAN GAS POOL AT THIS TIME BUT WE BELIEVE  
THAT SEVERAL OF OUR LEASES WILL BE PRODUCTIVE FROM THIS  
POOL. WE FEEL THAT ONE WELL WILL DRAIN IN EXCESS OF 160  
ACRES AND THAT PRECAUTIONS SHOULD BE TAKEN TO PREVENT  
UNNECESSARY DRILLING. WE THEREFORE RECOMMEND THAT THE  
COMMISSION ADOPT A STANDARD 320 ACRE PRORATION SNIT OR

APPROPRIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE



May 13, 1960

RE: Order # R-1417 - Temporary Special  
Rules for Atoka - Pennsylvania Gas  
Pools

Mr. A. L. Porter, Jr., State Geologist  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:

It has come to our attention that some of the companies are requesting the gas spacing be set at 320 acres. It is our understanding the present spacing is set at 320 acres on a temporary basis. It is our further understanding that one of the matters considered at the time this was made a temporary order was the ability of the wells to drain 320 acres after pipeline connections have been made and after some period of tests have been taken.

We the undersigned, as mineral owners in the area involved, hereby petition that this matter be seriously considered to the end that the present temporary order setting the spacing at 320 acres be continued as a temporary order and not be made permanent. The reason we request this is that after pipeline connection is available and the wells have produced a reasonable time the facts then might reveal that 160 acres would be necessary to properly drain, in which instance it would therefore be economically feasible for the various companies involved to drill on 160 acre basis. At said time if the facts revealed from the standpoint of economics, it would be economically proper to retain the 320 acre spacing, we feel this would be the time to make the ruling permanent.

We sincerely request your serious consideration of this matter.

Yours sincerely,

*Charles R. Martin*  
*Thomas R. Martin*  
*James R. Beard*  
*Helma D. Beard*



# 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

EMERY CARPER, PRESIDENT  
STANLEY CARPER, EXEC. VICE-PRES. & TREAS.  
MARSHALL ROWLEY, VICE-PRES.  
FRANCES BOOKER, SECRETARY  
NELLE MILLER, ASST. TREAS.

ARTESIA, NEW MEXICO  
CARPER BUILDING

SHERWOOD 6-2784  
SHERWOOD 6-2785

*Case file*

May 16, 1960

Oil Conservation Commission  
State of New Mexico  
Santa Fe, New Mexico

Attention: Mr. A. L. Porter

*Carper  
Drilling Co.*

Re: Case No. 1669 on May 18,  
1960 Docket.

Gentlemen:

We concur with Pan American Petroleum Corporation's application to promulgate the special rules and regulations for the Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico to provide for 320 acre spacing as authorized on a temporary basis by order No. R-1417, dated June 5, 1960.

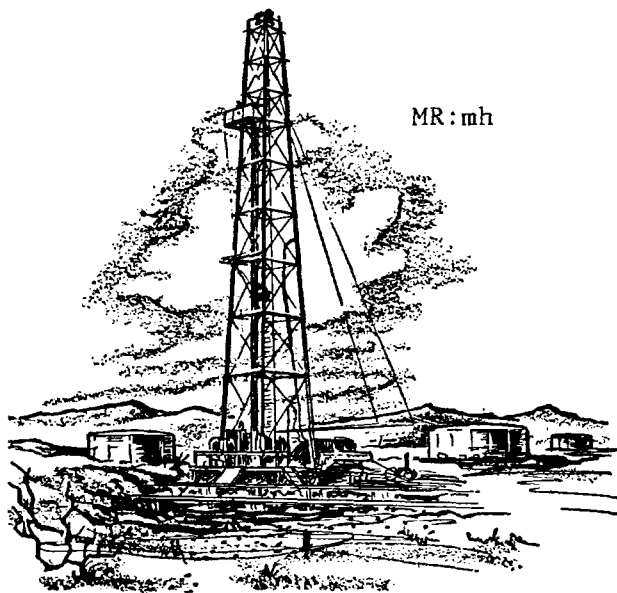
Yours very truly,

CARPER DRILLING COMPANY, INC.

*Marshall Rowley*

Marshall Rowley  
Vice President

MR:mh





# SINCLAIR OIL & GAS COMPANY

P.O. BOX 1470

MIDLAND, TEXAS

MUtual 3-2761

May 13, 1960

R. L. ELSTON  
VICE PRES. & DIVISION MANAGER

O. G. SIMPSON  
ASSISTANT DIVISION MANAGER

C. S. TINKLER  
DIVISION EXPLORATION SUPT.

J. MEFFORD  
DIVISION PRODUCTION SUPT.

F. C. ROGERS  
DIVISION GAS & GAS PRODUCTS SUPT.

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

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Please refer to the application of Pan American Petroleum Corporation for the promulgation of special rules for the Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico, Case No. 1669, scheduled for hearing May 18, 1960. It is our understanding that a gas connection has not been obtained for the wells in this field to date and that Pan American will request that the present temporary rules authorized by Order No. R-1417 dated June 5, 1959, be continued on a temporary basis for a period of one more year.

Sinclair Oil & Gas Company owns 160 acres within the productive limits of this field and joins with Pan American in requesting a one year continuance of the present temporary rules.

Yours very truly,

Joe Mefford

JM:RMA:mk

# NIX & CURTIS

302 BOOKER BUILDING

RALPH NIX

PHONE SH 6-2341

JERRY CURTIS

P. O. BOX 605  
ARTESIA, NEW MEXICO

May 13, 1960

RE: Order # R-1417 - Temporary Special  
Rules for Atoka - Pennsylvania Gas  
Pools

Mr. A. L. Porter, Jr., State Geologist  
P. O. Box 871  
Santa Fe, New Mexico

Dear Mr. Porter:


It has come to our attention that some of the companies are requesting the gas spacing be set at 320 acres. It is our understanding the present spacing is set at 320 acres on a temporary basis. It is our further understanding that one of the matters considered at the time this was made a temporary order was the ability of the wells to drain 320 acres after pipeline connections have been made and after some period of tests have been taken.

As mineral owners in the area, both leased and unleased, and as prospective participants, both as to royalty and as to working interests, we are of the opinion the present temporary order should be continued until such time as some figures are available on which to base a permanent order. It may be after a reasonable production period the facts will reveal that it is economically unsound to drill these gas wells on a smaller unit. On the other hand the facts may reveal that it is economically proper to develop on a smaller unit and we therefore feel it would not be proper at this time to make the order permanent. We further feel there has been no development in the area that would change any facts or statistics to induce the proper authorities to change any past ruling at this time and that the reasons for the temporary ruling are as sound now as they were at the time of said ruling.

Trusting this letter will receive your consideration, we remain,

Yours respectfully,

NIX & CURTIS

  
Jerry Curtis

JC/alw

OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

June 3, 1959

Mr. Kirk Newman  
Atwood & Malone  
P. O. Box 867  
Roswell, New Mexico

Dear Mr. Newman:

On behalf of your client, Pan American Petroleum Corporation, we enclose two copies of Order No. R-1417 issued June 3, 1959, by the Oil Conservation Commission in Case No. 1669.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ir/

Enclosures

*Case  
file  
Case  
1669*



MALCO REFINERIES, INC.

P. O. Box 660

ROSWELL, NEW MEXICO

EXPLORATION AND PRODUCTION DIVISION

DONALD B. ANDERSON

VICE PRESIDENT

DEPARTMENT HEADS

GEOLOGICAL - PHIL D. HELMIG

LAND - H. E. HARRINGTON

PRODUCTION - J. R. McMINN

May 8, 1959

State of New Mexico  
Oil and Gas Conservation Commission  
Capitol Building  
Santa Fe, New Mexico

Gentlemen:

Malco Refineries, Inc. owns leases in the vicinity of the Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico. We respectfully urge you to approve the application of Pan American Petroleum Corporation for an order for temporary 320 acre spacing in this gas pool.

We feel that one well will adequately drain much more than 320 acres. It is our considered opinion that 320 acre spacing in this gas pool is the absolute minimum spacing and will eliminate waste, protect correlative rights and will tend to make the pool more economical to develop and produce to its maximum areal extent.

Very truly yours,

MALCO REFINERIES, INC.

*Donald B. Anderson*  
Donald B. Anderson  
Vice President *[Signature]*

DBA/ik

*Handled  
Mailed  
5-4-60  
J*

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W. P. MARSHALL, PRESIDENT

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LA255 SSB731

L RWA184 NL PD=ARTESIA NMEX 11:

=NEIL S WHITMORE OR ANY PAN AMERICAN ENGINEER= <sup>153 MAY 11</sup> PM 10 52

NEW MEXICO OIL CONSERVATION COMMISSION SANTA

FE NMEX=

:CONCUR WITH TEMPORARY 320 ACRE SPACING REQUESTED BY PAN AMERICAN IN ATOKA PENNSYLVANIAN GAS POOL EDDY COUNTY WOULD APPRECIATE HOUSING COMMISSION APPROVE SAID APPLICATION=

CARPER DRILLING CO INC MARSHALL ROWLEY=.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRO

Case 1664

CLASS OF SERVICE

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# WESTERN UNION TELEGRAM

W. P. MARSHALL, PRESIDENT

1201

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LA253 SSK420

L RWA183 NL PD=ARTESIA NMEX 11=

NEW MEXICO OIL CONSERVATION COMMISSION=

159 MAY 11 PM 10 51

SANTA FE NMEX=

ATTENTION PETE PORTER CONCUR WITH TEMPORARY 320 ACRE

SPACING REQUESTED BY PAN AMERICAN IN ATOKA PENNSYLVANIAN

GAS POOL EDDY COUNTY WOULD APPRECIATE HAVING COMMISSION

APPROVE SAID APPLICATION=

CARPER DRILL CO INC MARSHALL ROWLEY=.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

Q122 1669

SPECIAL RULES AND REGULATIONS  
FOR THE  
ATOKA PENNSYLVANIAN GAS POOL

RULE 1. Any well drilled a distance of one mile or more outside the boundary of the Atoka Pennsylvanian Gas Pool shall be classified as a wildcat well. Any well drilled less than one mile outside the boundary of the Atoka Pennsylvanian Gas Pool shall be spaced, drilled, and operated in accordance with the Rules and Regulations in effect in said Atoka Pennsylvanian Gas Pool provided said well is projected to and/or completed in the Atoka Pennsylvanian Gas Pool.

RULE 2. (a) That each well drilled or recompleted in the Atoka Pennsylvanian Gas Pool shall be located in the northwest or southeast quarter section of a governmental section on a tract consisting of approximately 320 acres comprising any two contiguous quarter sections of a single governmental section, being a legal subdivision of the United States Public Lands Survey.

(b) The Secretary of the Commission shall have authority to grant an exception to Rule 2(a) without notice and hearing where application has been filed in due form and where the following facts exist and the following provisions are complied with.

1. The non-standard gas proration unit consists of contiguous quarter-quarter sections or lots.

2. The non-standard proration unit lies wholly within a single governmental section.

3. The entire non-standard gas proration unit may reasonably be presumed to be productive of gas.

4. The length or width of the non-standard gas proration unit does not exceed 5280 feet.

5. That applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the section in which any part of the non-standard gas proration unit is situated and which acreage is not included in said non-standard gas proration unit.

6. In lieu of Paragraph 5 of this Rule, the applicant may furnish proof of the fact that all of the aforesaid operators were notified by registered mail of his intent to form such non-standard gas proration unit. The Secretary of the Commission may approve the application, if, after a period of 30 days following the mailing of said notice, no operator has made objection to the formation of such non-standard gas proration unit.

RULE 3. (a) That no well shall hereafter be drilled to or recompleted in the Atoka Pennsylvanian Gas Pool nearer than 990 feet to a quarter section line of a governmental section; provided, however, that a variation of 200 feet for topographic conditions will be permissible.



(b) The Secretary-Director of the Commission shall have authority to grant exception to the requirements of Rule 3(a) without notice and hearing where a verified application therefor has been filed in due form and the necessity for the unorthodox location is occasioned by the recompletion of a well previously drilled to another horizon.

Applicants shall furnish all operators within a 5280-foot radius of the subject well a copy of the application to the Commission, and applicant shall include with his application a list of names and addresses of all operators within such radius, together with a stipulation that proper notice has been given said operators at the addresses given. The Secretary-Director of the Commission shall wait at least 20 days before approving any such unorthodox locations, and shall approve such unorthodox location only in the absence of objection from any offset operators. In the event an operator objects to the unorthodox location the Commission shall consider the matter only after proper notice and hearing.

RULE 4. Each gas purchaser in the Atoka Pennsylvanian Gas Pool shall take ratably from all wells producing from said common source of supply, apportioning its takes during any given calendar year among said wells on the basis of the acreage dedicated thereto.

RULE 5. The monthly gas production from each well in the Atoka Pennsylvanian Gas Pool shall be metered separately and the gas production and associated liquid hydrocarbon production therefrom shall be reported to the Commission in accordance with the applicable Commission Rules and Regulations.

RULE 6. Any well which was projected to or completed in the Atoka Pennsylvanian Gas Pool prior to the effective date of this order be and the same is hereby granted an exception to Rule 2(a) and Rule 3(a) of these Special Rules and Regulations.

ATOKA PENNSYLVANIAN GAS POOL  
EDDY COUNTY, NEW MEXICO

General Information

The Atoka Pennsylvanian Gas Pool was discovered by the completion of Standard Oil Company of Texas J. H. Everest No. 1, which is located 1980' FSL & 660' FWL of Section 14, T-18-S, R-26-E, Eddy County, New Mexico. This well was completed in October, 1957 with a calculated absolute open flow of 21,000 MCFD. While testing, the well also produced distillate with recoveries of 11 to 13 barrels per MMCF of gas. Production is from a coarse grained sand found at approximately 9100'. Three successful completions have been realized to date and one non-commercial well has been drilled. A market for this gas has not yet been developed and only relatively small volumes have been produced. This production has been primarily to furnish gas as rig fuel and for drilling other wells in the area.

Pertinent data for the individual wells are attached.

Structural Information

The sand body from which the Atoka Pennsylvanian Gas Pool produces is considered to be a continuous sand trending generally in a northeast-southwest direction. Production is considered to be from a stratigraphic trap in an area of porosity and/or permeability development. The dip of the sand is to the southeast in this area.

Characteristics of the Reservoir Rock and Fluids

The pay has been described on core analyses as a gray, coarse grained sand. Porosity and permeability of the pay in the section of the well where a full hole core was obtained averaged 9.5% and 51 Md., respectively. Log calculations support this porosity average. Distillate recoveries have been reported ranging from 11 to 17 barrels per MMCF of gas. The corrected gravity of the distillate is approximately 60° API.

Cumulative Production

The cumulative production from the three wells completed in the pool is as follows:

<u>Operator and Well</u>	<u>MMCF</u>	<u>Bbls. Dist.</u>
Standard Oil Company of Texas		
Everest No. 1	152	2,426
Martin No. 1	70	852
Pan American Petroleum Corporation		
Flint No. 1	<u>0</u>	<u>0</u>
Pool Total	222	3,278

Economics

The cost to drill and complete a well in the Atoka Pennsylvanian Gas Pool is estimated to be \$170,000. An additional investment of approximately \$8,000 will be required for surface equipment, such as storage tanks and a separator. Net return-on-investment using a 20-year well life is calculated to be 4.1 and 1.48 for 320-acre and 160-acre development, respectively.

STANDARD OF TEXAS-EVEREST NO. 1

1980' FSL & 660' FWL  
Section 14, T-18-S, R-26-E

TD: 10,546'  
PBD: 9,267'  
7" CSA 9370'  
Perf: 9079-9085'  
      9089-9093'  
      9095-9116'  
IPF: 3,472 MCF  
      38 Bbls. Dist.  
      24 Hrs.  
      Natural  
CACF: 21,000 MCFD

DST:  
  Interval: 9067-9130'  
  Open 1 Hr. GTS 2 Min.  
  Est. F 1,600 MCFD  
  Rec. 100' Dist. / 50' Mud  
  FP 3500-3675 psi  
  30 Min. SIP 3690 psi

DST of Perfs:  
  Open 29 Hrs. WBTS 5 Min. GTS 6 Min.  
  F 3320 MCFD / 11 Bbls. Dist./MMCF For 24 Hrs.  
  TP 2750 psi; 18/64" Choke  
  F 6,140 MCFD / 13 Bbls. Dist./MMCF for 5 Hrs.  
  TP 2350 psi; 24/64" Choke  
  45 Min. SIP 3750 psi

STANDARD OF TEXAS-MARTIN NO. 1

1650' FSL & 1980' FEL  
Section 15, T-18-S, R-26-E

TD: 9086'  
5-1/2" CSA 9086'  
Perf 8966-9018'  
Acid Wash w/500 Gal.  
IPF: 5400 MCFD  
Based on 4-Hr. Test  
Dist. recovery not reported  
CAOF: 43,000 MCFD  
/ 17 Bbls. Dist./MMCF

No DST's

STANDARD OF TEXAS-PAUL TERRY, ET AL, UNIT NO. 1

1980' FNL & 1980' FWL  
Section 15, T-18-S, R-26-E

TD: 9100'  
Plugged and Abandoned

DST's:

Interval: 8890-9100'  
Packer failed

Interval: 8870-9100'  
Open 1 Hr. 30 Min. GTS 12 Min.  
Est. F 215 MCFD  
Recovered 430' GCM  
FP 235 psi  
1 Hr. SIP 3060 psi

Attempted fracture treatment 8494-9100' - Failed.

PAN AMERICAN-FLINT NO. 1

1980' FSL & 1980' FEL  
Section 22, T-18-S, R-26-E

TD: 9263'  
PBD: 9155'  
5-1/2" CSA 9263'  
Perf 9094-9116'  
IPF: 10,540 MCF  
60 Bbls. Distillate  
12 Hrs.  
Natural  
CAOF: 21,000 MCFD  
/ 11 Bbls. Dist./MMCF

DST:  
Interval 9072-9263'  
Open 3-1/2 Hrs. GTS 2 min.  
F 5800 MCFD / 2.75 Bbls. Dist./Hr.  
Rec. 30' Mud / 150' Dist.  
FP 3050 psi  
90 Min. SIP 3735 psi

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date May 22 1959

CASE NO. 1678

HEARING DATE May 29, 1959

My recommendations for an order in the above numbered case(s) <sup>is</sup> are as follows:

Enter an order granting permission to Rice Engineering & Operating, Inc. permission to convert the temporarily abandoned Guff Oberholtzer Well No. 2 for salt water disposal in the Devonian formation ~~of~~ (in the <sup>approx</sup> interval from 12,200 to 12,400).

Guff Oberholtzer Well No. 2 is located in Unit F, Section 7, Twp. 12 South, Range 38 East, Lea County,

E. F. Fisher  
Staff Member