

1931 Gulf Oil Corporation's  
application for 240-acre non-standard  
gas production unit in Eumont.

Casa No.

1159

Application, Transcript,  
Small Exhibits, Etc.

**OIL CONSERVATION COMMISSION**

**P. O. BOX 871**

**SANTA FE, NEW MEXICO**

**November 1, 1956**

C  
O  
P  
Y

**Mr. Jack M. Campbell  
Campbell & Russell  
P. O. Box 721  
Roswell, New Mexico**

**Dear Sir:**

On behalf of your client, Gulf Oil Corporation, we  
enclose two copies each of Orders R-904 and R-905 issued on  
October 26, 1956 by the Oil Conservation Commission in Cases  
1158 and 1159, which were heard on October 4, 1956.

**Very truly yours,**

**A. L. Porter, Jr.  
Secretary-Director**

**jh  
encls.**

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
October 4, 1956

\*\*\*\*\*  
IN THE MATTER OF: \*  
CASE NO. 1159 \*  
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TRANSCRIPT OF PROCEEDINGS

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
October 4, 1956

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IN THE MATTER OF:

The application of Gulf Oil Corporation for an order granting an exception to Rule 5 (a) of the Special Rules and Regulations for the Eumont Gas Pool as set forth in Order R-520 in the establishment of a 240-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order granting approval of a 240-acre non-standard gas proration unit comprising the S/2 NW/4 and N/2 S/2 of Section 18, Township 21 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico; said unit to be assigned to applicant's H. T. Mattern "C" Well No. 3 located 330 feet from the West line and 1980 feet from the South line of said Section 18.

CASE No. 1159

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BEFORE:

Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

EXAMINER NUTTER: We will now proceed to Case No. 1159.

MR. GURLEY: Case No. 1159, the application of Gulf Oil Corporation for an order granting exception to Rule 5 (a) of the Special Rules and Regulations in the Eumont Gas Pool as set forth in Order R-520 for the establishment of a 240-acre non-standard gas proration unit.

MR. CAMPBELL: Mr. Examiner, I am Jack M. Campbell of Campbell and Russell, Roswell, New Mexico appearing on behalf of the applicant, Gulf Oil Corporation. We have one witness to be sworn, Mr. Don Walker.

DON WALKER

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

By Mr. Campbell:

Q. Will you state your name, please?

A. Don Walker.

Q. By whom are you employed, Mr. Walker?

A. Gulf Oil Corporation, Fort Worth.

Q. In what capacity?

A. I am the Division Proration Engineer

Q. Have you testified previously before this Commission in your professional capacity?

A. Yes, sir.

Q. Are the witness's qualifications satisfactory to the Examiner?

EXAMINER NUTTER: Yes, sir.

MR. CAMPBELL: Mr. Walker, are you acquainted with the application of Gulf Oil Corporation in Case No. 1159 before the Oil Conservation Commission of New Mexico?

A. Yes, sir, this is the application of Gulf for an order granting exception to Rule 5 (a) of the Special Rules and Regulations of the Eumont Gas Pool to include 240-acre H. T. Mattern "C" Lease which consists of - - - -

MR. CAMPBELL: Well, Mr. Walker, I'll hand you what has been marked as Gulf Exhibit No. 1 in Case No. 1159 and ask you to state what that is and refer to it in your statement.

MR. WALKER: All right, sir, this is a structure map contoured on top of the Queen formation and on this we show the proposed 240-acre unit which includes the N/2 of the S/2 of Section 18, Township 21 South, Range 37 East, and the S/2 of the NW/4 of that same Section 18, Township 21 South, Range 37 East.

MR. CAMPBELL: Does it also show gas units in the surrounding areas which have heretofore been approved by this Commission?

MR. WALKER: Yes, sir, it does.

MR. CAMPBELL: How are those shown?

MR. WALKER: It is shown outlined in red.

MR. CAMPBELL: Does Gulf Oil Corporation own the entire leasehold interest under the proposed gas unit?

MR. WALKER: Yes, sir.

MR. CAMPBELL: Is the royalty ownership under the proposed gas unit common?

MR. WALKER: Yes, sir.

MR. CAMPBELL: What is the proposed unit well?

MR. WALKER: The proposed unit well is Gulf's H. T. Mattern "C" No. 3.

MR. CAMPBELL: What is the location of that well?

MR. WALKER: The location of that well is 660 feet from the West line and 1980 feet from the South line of Section 18, Township 21 South, Range 37 East, and I believe the application was in error where we stated the well is located 330 feet from the West line, we would like to change that if possible.

MR. CAMPBELL: At this point I would like to let the records show that I requested to amend the application based on the testimony of the witness and Exhibit No. 1 in this case to show the location of the proposed unit well to be 660 feet from the West line and 1980 feet from the South line of Section 18, Township 21 South, Range 37 East.

MR. NUTTER: Inasmuch as the correct location of the well is further from the boundary of the tract than the advertisement indicated we feel that no correlative rights of anyone will be damaged by accepting an amendment to the application.

MR. CAMPBELL: Mr. Walker, I hand you what has been identified as Gulf Exhibit No. 2 in Case 1159 and ask you to state what that is.

MR. WALKER: This is a reproduction of the radio-active log on Gulf's H. T. Mattern "C" Well No. 3 and ----

MR. CAMPBELL: Referring to that Exhibit, will you please give the Examiner the completion data on this well including the reference to the perforated zone in this particular well from which it will be produced.

MR. WALKER: All right, sir, we have shown on this log at the tops of the various formations, Yater, Seven Rivers, Queen, Penrose and Grayburg, and this well was originally completed in the Penrose Skelly Oil Pool on October 8, 1944. Its producing interval being 3765 feet to a total depth of 3846 feet. On July the 17th of this year, this well was recompleted as a single zone gas well in the Eumont Gas Pool at a plug back total depth of 3670 feet which is also shown on the log. The 5 $\frac{1}{2}$ " casing is perforated in the Queen Zone from 3550 to 3645, which is also shown on the log.

MR. CAMPBELL: Does Gulf have a connection for this well in the event the unit is approved?

MR. WALKER: Yes, sir, El Paso Natural Gas Company. We will connect this well to the El Paso Natural Gas Company's gathering system. However, it is my understanding that it is not connected as yet, but I believe the ground work has been laid and we're ready to go on it.

MR. CAMPBELL: What was the initial production test on this well? What did it show?

MR. WALKER: The estimated gas flow at a maximum rate of 2336 MCF with 650 lbs. back pressure on an OCC Test on July 17, 1956. Estimated open flow 3,000,000 cubic feet.

MR. CAMPBELL: I notice Mr. Walker, on Exhibit No. 1 that there are three other wells shown on the proposed unit. Will you state for the records the zones from which each of those wells is producing?

MR. WALKER: They're producing from the Grayburg formation of the Penrose Skelly Oil Pool.

MR. CAMPBELL: Have you notified all of the offset operators with regard to this application?

MR. WALKER: Yes, sir, in our original application for this hearing which was dated the 5th of September we notified nine operators and I believe that includes all of the offset operators.



MR. CAMPBELL: Have you received any objections from any of the persons to whom you sent copies of this application?

MR. WALKER: We have not, no word at all.

MR. CAMPBELL: In your opinion, can the entire proposed gas unit reasonably be assumed to be productive of gas from the Eumont Gas Pool?

MR. WALKER: Yes, sir.

MR. CAMPBELL: In your opinion, if this application is granted, will the correlative rights of Gulf and other operators in the area be protected?

MR. WALKER: Yes, sir.

MR. CAMPBELL: I believe that is all.

MR. NUTTER: Does anyone have any questions of the witness? If not, the witness may be excused. Does anyone have any statements they wish to offer in this case?

MR. CAMPBELL: Mr. Examiner, I would like to offer Gulf Exhibit No. 1 and Gulf Exhibit No. 2 in Case No. 1159 in evidence.

MR. NUTTER: Without objection the Gulf's Exhibits No. 1 and 2 will be entered in this case. The witness may be excused and we will take the case under advisement.

STATE OF NEW MEXICO   )  
                              :  
COUNTY OF SANTA FE    )  
                              ss

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

Dated at Santa Fe, New Mexico on this 15th day of October, 1956.

Doris Arnold

OK  
10/9/56

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date 10-4-56

CASE 1159

Hearing Date 10-4-56 @ 9 AM

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

That the unit be approved as applied.

Findings:

- (1) That the Guff-Matten "C" #1, NW SW 18-21S-37E is completed only within the Vertical limits of the Eunont-~~area~~ Gas Pool.
- (2) Correlative rights protected and etc.

*W. A. D. H.*  
Staff Member

SEP 7 1956



PETROLEUM AND ITS PRODUCTS

# GULF OIL CORPORATION

P. O. DRAWER 1290 · FORT WORTH 1, TEXAS

B. E. THOMPSON  
DIVISION PRODUCTION MANAGER

FORT WORTH  
PRODUCTION DIVISION

September 5, 1956

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

Re: Application for Approval of a 240-acre Non-Standard Gas Proration Unit in the Eumont Gas Pool to be Assigned Gulf Oil Corporation's H. T. Mattern "C" Well No. 3

Gentlemen:

Gulf Oil Corporation respectfully submits application for a 240-acre non-standard gas proration unit to include the S/2 of the NW/4 and the N/2 of the S/2 of Section 18, T-21-S, R-37-E, to be assigned to Gulf's H. T. Mattern "C" Well No. 3 recently recompleted as a single zone gas well in the Eumont Gas Pool. It is requested that the Commission set this matter for an examiner hearing at an early date.

The following facts are offered in support of this applications:

- (1) Gulf Oil Corporation is the owner and operator of the 240-acre oil and gas lease known as the H. T. Mattern "C" Lease in Section 18, T-21-S, R-37-E, Lea County, New Mexico, as shown on the attached plat.
- (2) The proposed unit well, Gulf's Mattern "C" No. 3, is located 330 feet from the west line and 1980 feet from the south line of Section 18, T-21-S, R-37-E, Lea County, New Mexico. This well was originally completed in the Penrose-Skelly Oil Pool on October 18, 1944, the producing interval being from 3765 feet to total depth of 3846 feet. On July 17, 1956, this well was recompleted as a single zone gas well in the Eumont Gas Pool at a plug-back total depth of 3670 feet. The Queen zone in the Eumont Gas Pool will produce through 5½-inch casing perforations from 3550 feet to 3645 feet. The applicant proposes to use this well as the unit well.
- (3) Gulf Oil Corporation proposes that the above described acreage be established as a non-standard 240-acre gas proration unit in exception to New Mexico Oil Conservation Commission Order No. R-520.

September 5, 1956

- (4) By copy of this letter of application, all operators owning interests in the section in which the proposed unit is located and all operators within 1500 feet of the proposed unit well are notified of the intent of Gulf Oil Corporation to form the proposed non-standard gas proration unit.

Respectfully submitted

GULF OIL CORPORATION

By: B. E. Thompson, Jr.  
Division Production Manager

cc: Oil Conservation Commission  
P. O. Box 2045  
Hobbs, New Mexico

Continental Oil Company  
P. O. Box 427  
Hobbs, New Mexico

Makin Drilling Company  
Allen Building  
Midland, Texas

Ohio Oil Company  
P. O. Box 552  
Midland, Texas

R. Olsen Oil Company  
Drawer Z  
Jal, New Mexico

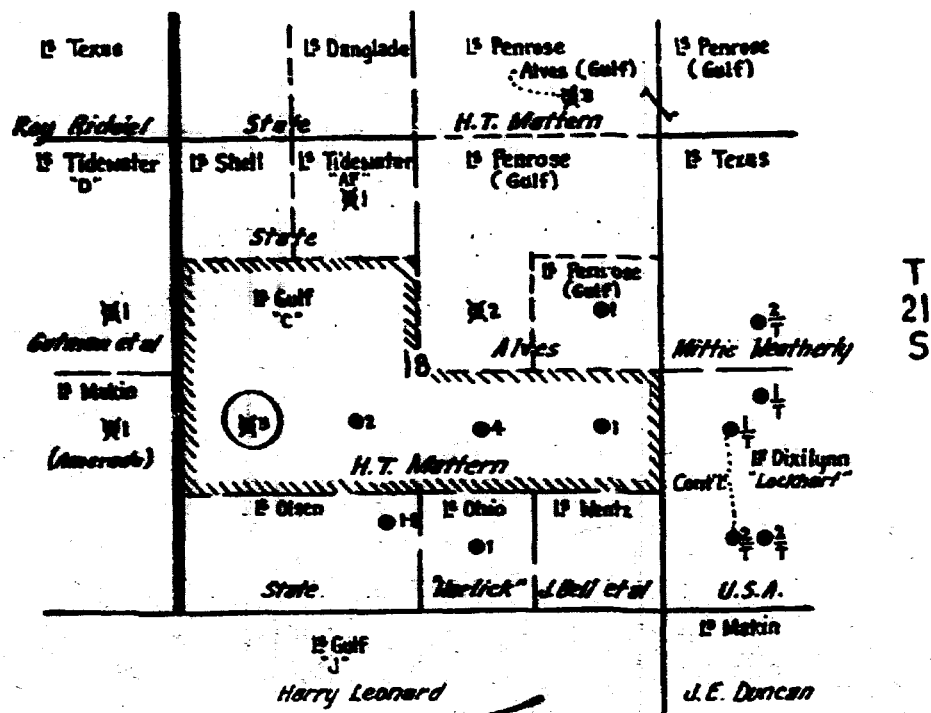
N. G. Penrose, Inc.  
1815 Fair Building  
Fort Worth, Texas

Shell Oil Company  
P. O. Box 1957  
Hobbs, New Mexico

The Texas Company  
P. O. Box 1270  
Midland, Texas

Tidewater Oil Company  
P. O. Box 1404  
Houston, Texas

L. H. Wentz  
Milam Building  
San Antonio, Texas



R 36-E  
R 37E

GULF OIL CORPORATION  
FORT WORTH PRODUCTION DIVISION  
Scale 1" = 2,000'

Proposed 240-Acre Non-Standard  
Eumont Gas Unit Assigned to  
Gulf's H.T. Mattern "C"  
Well No. 3

DOCKET: EXAMINER HEARING OCTOBER 4, 1956

Oil Conservation Commission 9:00 a.m., Mabry Hall, State Capitol, Santa Fe

The following cases will be heard before Daniel S. Nutter, Examiner:

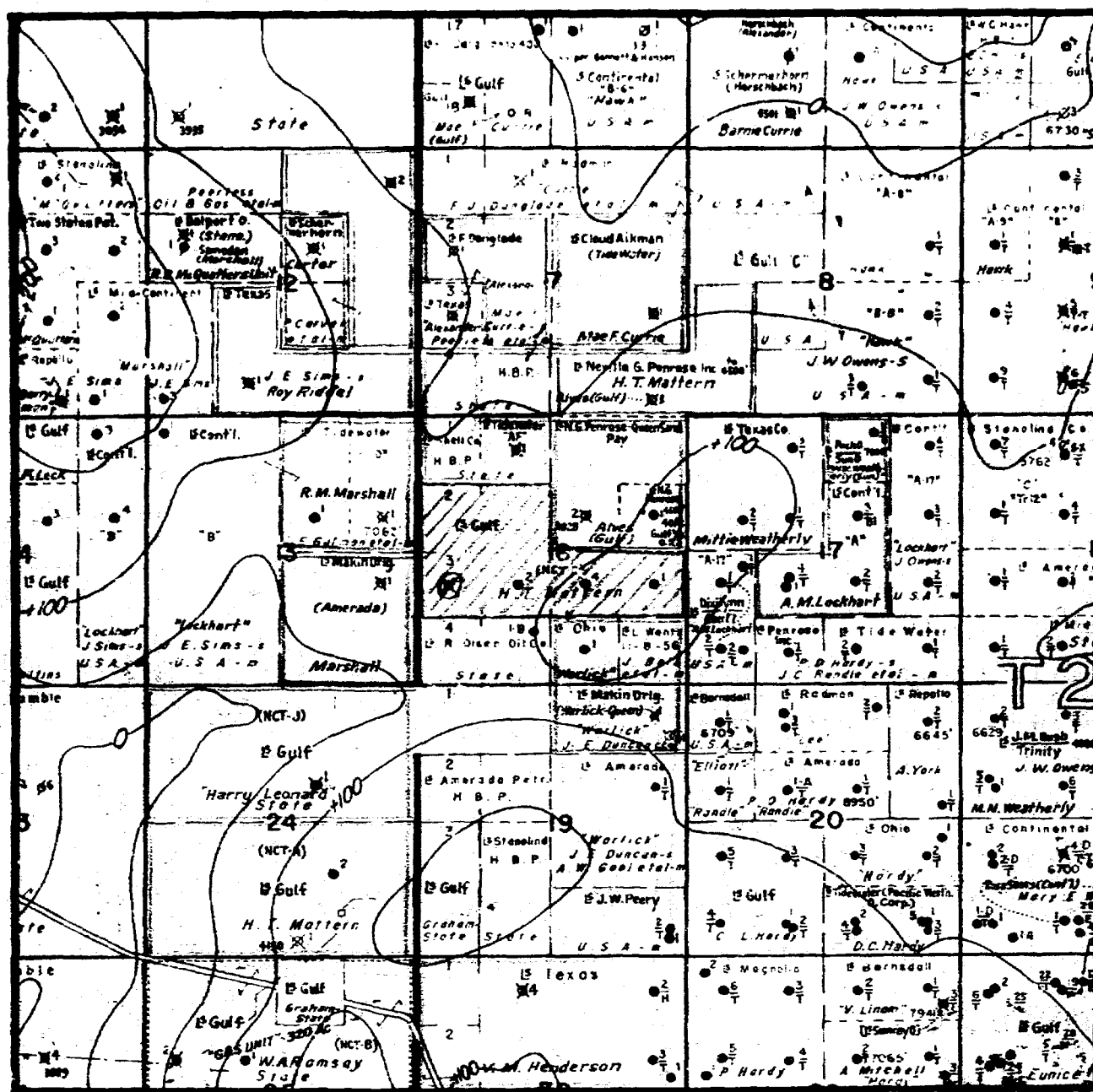
CASE 1158: Application of Gulf Oil Corporation for an order granting an exception to Rule 5 (a) of the Special Rules and Regulations for the Eumont Gas Pool as set forth in Order R-520 in the establishment of a 240-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order granting approval of a 240-acre non-standard gas proration unit comprising the NW/4 of Section 6, Township 22 South, Range 37 East, and the N/2 NE/4 of Section 1, Township 22 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico; said unit to be assigned to applicant's H. T. Mattern "D" Well No. 7 located 660 feet from the North line and 660 feet from the West line of said Section 6.

CASE 1159: Application of Gulf Oil Corporation for an order granting an exception to Rule 5 (a) of the Special Rules and Regulations for the Eumont Gas Pool as set forth in Order R-520 in the establishment of a 240-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order granting approval of a 240-acre non-standard gas proration unit comprising the S/2 NW/4 and N/2 S/2 of Section 18, Township 21 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico; said unit to be assigned to applicant's H. T. Mattern "C" Well No. 3 located 330 feet from the West line and 1980 feet from the South line of said Section 18.

CASE 1160: Application of Enterprise Oils, Inc. for an order granting approval of its proposed Enterprise Unit Agreement, embracing 1,440 acres, more or less, in Lea County, New Mexico, in accordance with Rule 507 of the New Mexico Oil Conservation Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order granting approval of its proposed Enterprise Unit Agreement, embracing 1,440 acres, more or less, consisting entirely of State of New Mexico lands and described as follows, all in Lea County, New Mexico:

Township 16 South, Range 34 East, NMPM  
Section 16: W/2  
Section 17: E/2  
Section 20: NE/4  
Section 21: W/2  
Section 28: N/2

ir/



Gulf Oil Corporation  
Fort Worth Production Division

Proposed 240-Acre Non-Standard Eumont Gas Unit  
Assigned to Gulf's H. T. Mattern "C" Well No. 3

Structure Contoured on Queen Formation  
Contour Interval 50'

Scale 1" = 3000'

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
EXHIBIT No. 1  
CASE 1159



BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 1188  
Order No. R-905

THE APPLICATION OF GULF OIL  
CORPORATION FOR AN ORDER  
GRANTING APPROVAL OF AN EXCEPTION  
TO RULE 5 (a) OF THE SPECIAL RULES  
AND REGULATIONS OF THE NEW MEXICO GAS  
POOL AS SET FORTH IN ORDER NO. R-620  
IN ESTABLISHMENT OF A NON-STANDARD  
GAS FRACTION TEST OF 240 CONSIDERED  
ACRES CONSISTING OF S/2 NW/4 AND THE E/2  
S/2 OF SECTION 18, TOWNSHIP 21 SOUTH,  
RANGE 37 EAST, NEPM, LEA COUNTY, NEW  
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on  
October 4, 1956, at Santa Fe, New Mexico, before Daniel S. Nutter,  
Examiner duly appointed by the New Mexico Oil Conservation Com-  
mission, hereinafter referred to as the "Commission," in accord-  
ance with Rule 1214 of the Commission Rules and Regulations.

NOT, on this 26<sup>th</sup> day of October, 1956, the Commission,  
a quorum being present, having considered the application, the  
evidence adduced, the recommendations of the Examiner, Daniel S.  
Nutter, and being fully advised in the premises,

FINDS:

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

(2) That applicant, Gulf Oil Corporation, is the owner  
of a patented oil and gas lease in Lea County, New Mexico, the land  
consisting of other than a legal section, and described as follows,  
to-wit:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NEPM  
Section 18: S/2 NW/4 and N/2 S/2

containing 240 acres, more or less.

(3) That applicant, Gulf Oil Corporation, has a  
producing well on the aforesaid lease known as Mattern "C" No. 3,  
located 660 feet from the West line and 1980 feet from the South  
line of said Section 18.

Order No. 2000

(4) That the aforesaid well was recompleted and in production subsequent to the effective date of Order No. 2-500, and is located within the horizontal and vertical limits of the pool heretofore delineated and designated as the Summit Gas Pool.

(5) That creation of a proration unit consisting of the aforesaid acreage will not cause but will prevent waste, and will protect correlative rights.

**IT IS HEREBY ORDERED:**

(1) That the application of Gulf Oil Corporation for approval of a non-standard gas proration unit consisting of the following described acreage in the Summit Gas Pool, Lea County, New Mexico:

**TOWNSHIP 21 NORTH, RANGE 27 EAST, NMPN**  
**SECTION 18: 1/2 NW/4 AND 1/2 E/4**

be and the same is hereby approved, and a proration unit consisting of aforesaid acreage is hereby created.

(2) That applicant's well, Well No. 3 Well, located in the NW/4 SE/4 of Section 18, Township 21 North, Range 27 East, NMPN, Lea County, New Mexico, shall be granted an allowable in the proportion that the above-described 200-acre unit bears to the standard proration unit for said pool, according to Rule 12 of the Pool Rules, all until further order of the Commission.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*John F. Sims*  
JOHN F. SIMS, Chairman

*E. S. Walker*  
E. S. WALKER, Member

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

# West Texas Electrical Log Service

Dallas 2, Texas

REFERENCE N° A 5065 -D

## LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well	COMPANY: GULF OIL CORP.	WELL: No. 1, NORTH ( 100-4 ) RD.	FIELD: FARMER ARIZONA	COUNTY: JEN	STATE: N.M.	LOCATION: 600' N. & 1300' E. OF	SEC. 34, T-42-S, R-37-E
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LOG MEAL FROM	MEAL FROM	MEAL FROM
DATE	DATE	DATE

DYE OF LOG	DATE	TIME	LOG	TIME
TOTAL DEPTH (FEET)	DATE	TIME	LOG	TIME
EFFECTIVE DEPTH (FEET)	DATE	TIME	LOG	TIME
TOP OF LOGGED INTERVAL	DATE	TIME	LOG	TIME
BOTTOM OF LOGGED INTERVAL	DATE	TIME	LOG	TIME
TYPE OF FLUID IN HOLE	DATE	TIME	LOG	TIME
FLUID LEVEL	DATE	TIME	LOG	TIME
MAXIMUM RECORDED TEMP.	DATE	TIME	LOG	TIME
NEUTRON SOURCE STRENGTH & TYPE	DATE	TIME	LOG	TIME
SOURCE BEAMS - IN	DATE	TIME	LOG	TIME
LENGTH OF MEASUREMENT TRACE - IN	DATE	TIME	LOG	TIME
ONE OF TWO TRACES - IN	DATE	TIME	LOG	TIME
TIME CORRECTION - SECONDS	DATE	TIME	LOG	TIME
LOGGING SPEED FT./MIN.	DATE	TIME	LOG	TIME
STATISTICAL VARIATION - IN	DATE	TIME	LOG	TIME
REMARKS BY	DATE	TIME	LOG	TIME

CASING RECORD	FROM R/A LOG
ONE 10" 5 5/8"	REFERENCE TO 100
ONE 7 7/8" 5 1/2"	REFERENCE TO 300
ONE 6 3/4" 5 1/4"	REFERENCE TO 300

REMARKS OR OTHER DATA

TYPE C BEAMER CHANGING

\* MAKE SURE BEAMER & CABLE ARE SECURE.

### COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

Case No. 1159

Exhibit No.

Gulf Oil Corp.

CASING RECORD October 4, 1956

PERFORATING RECORD

ACID FRAC SHOT

BEFORE THE

OIL CONS. & PROD. COMMISSION

SANTA FE, NEW MEXICO

EXHIBIT No. 2

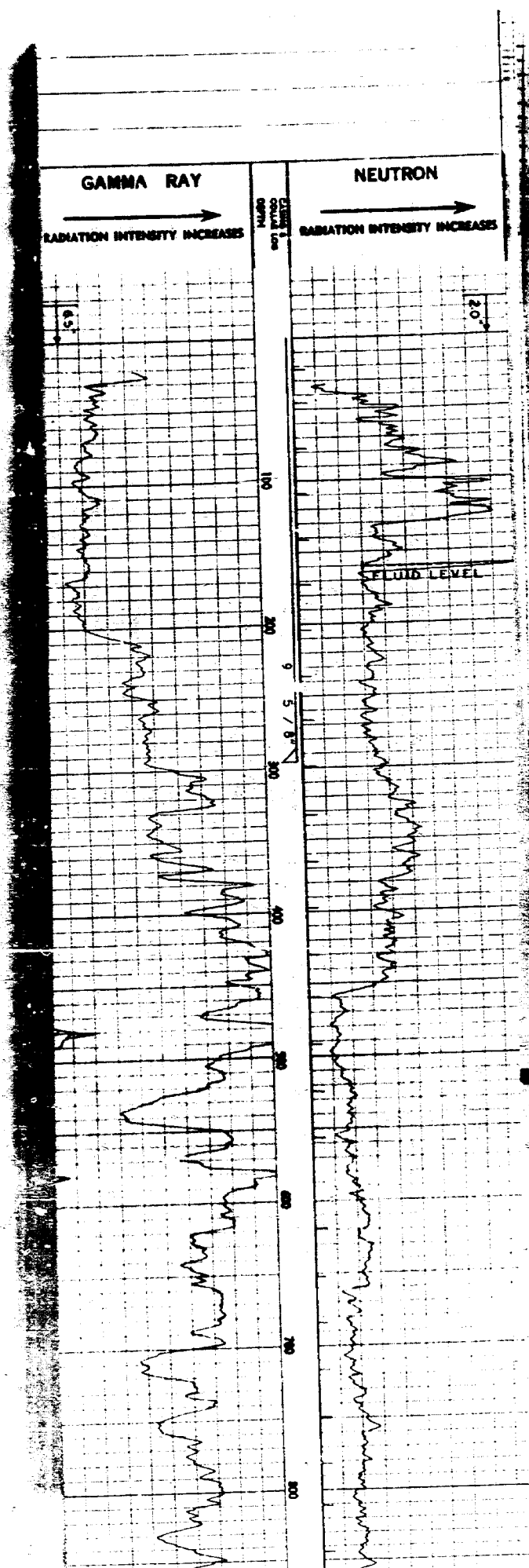
CASE 1159

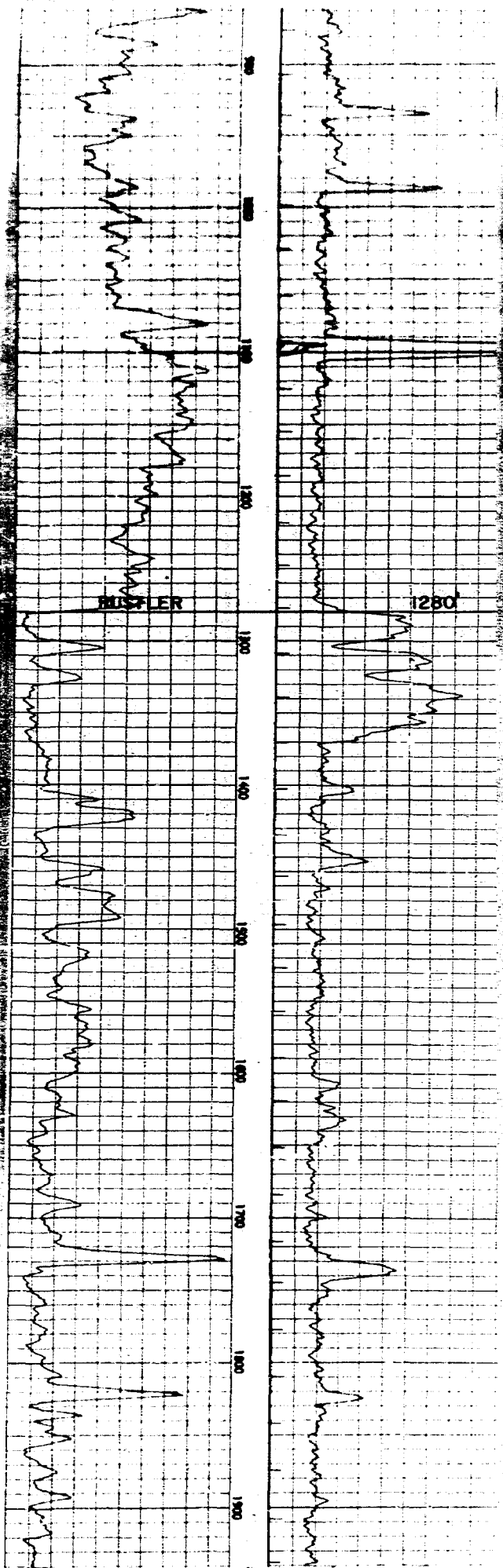
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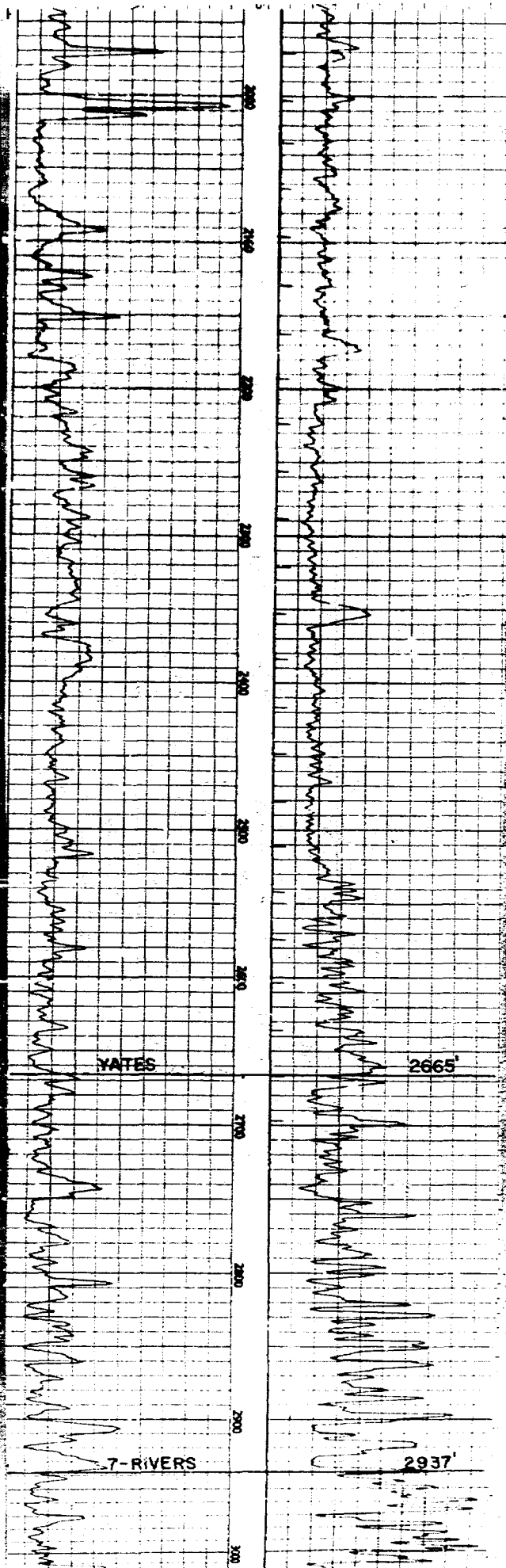
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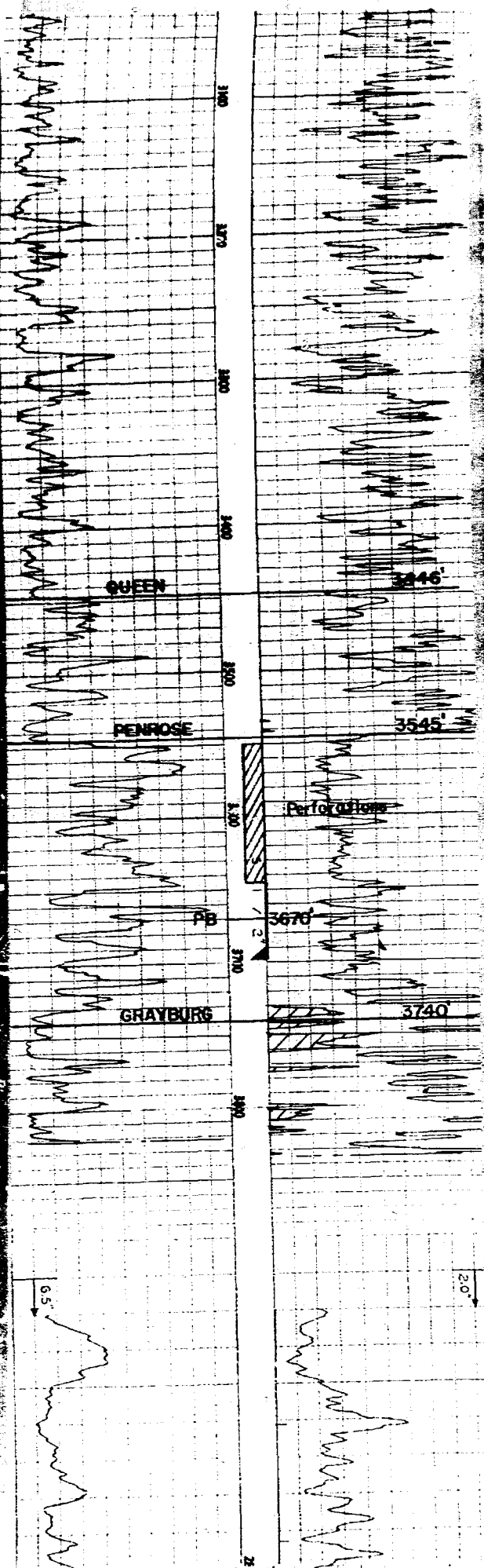
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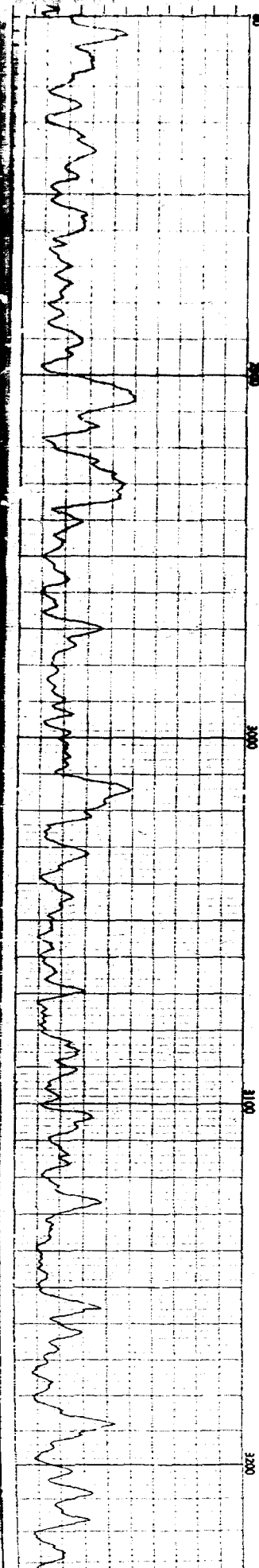
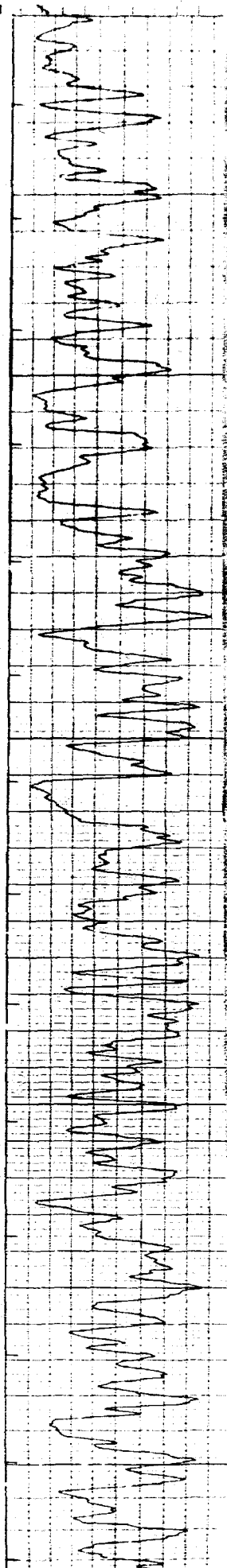
REMARKS



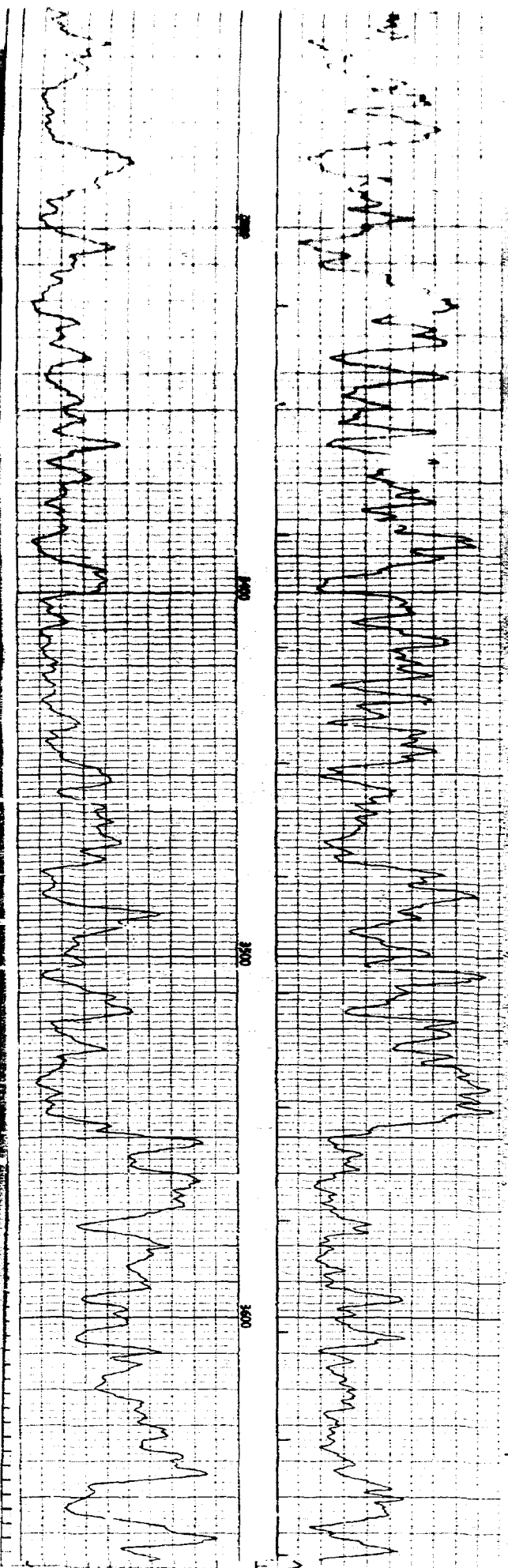


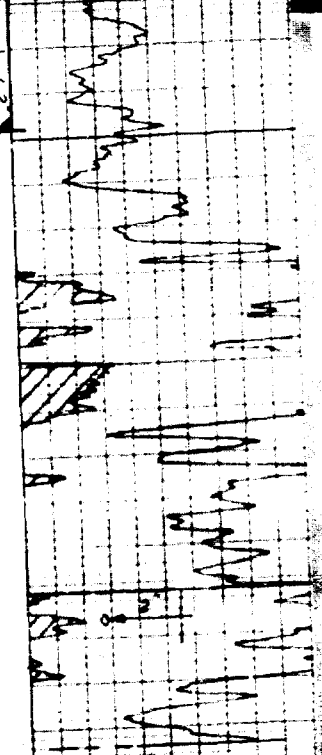
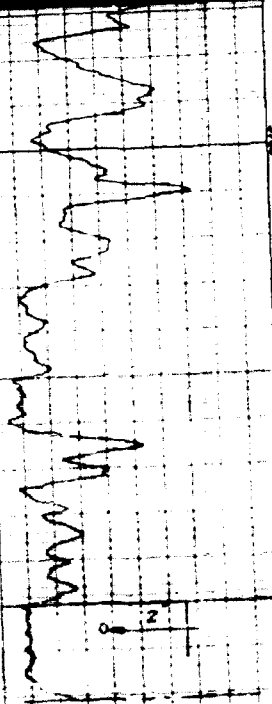








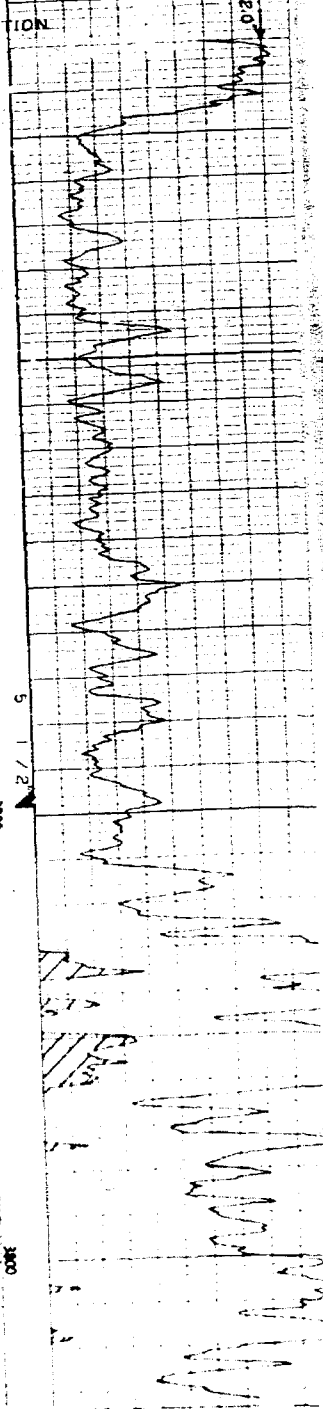
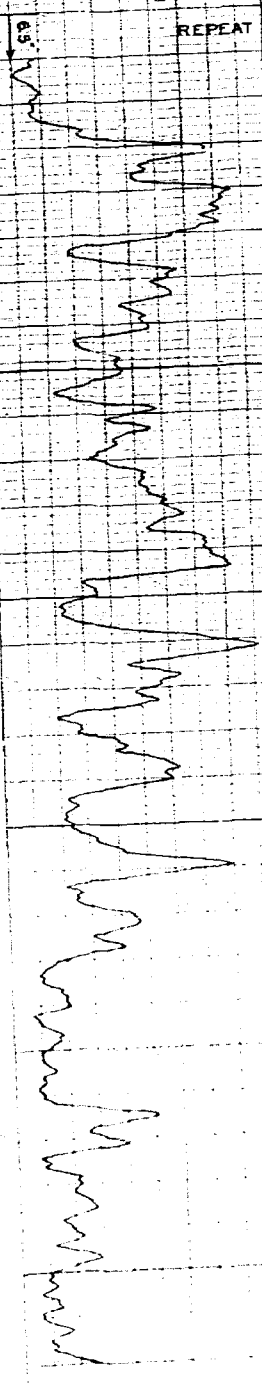




R.D. 3821  
R.D. 3836

R.D. 3874

GULF OIL CORP.  
H.T. MATERN NCT-0 N°3  
PENROSE SKELLY



REPEAT SECTION

0096

5

0012

0006