

NEW MEXICO OIL CONSERVATION COMMISSION  
BOX 2045  
HOBBS, NEW MEXICO

DATE April 27, 1954

TO: Gulf Oil Corp.  
Box 2167, Hobbs, New Mexico

GENTLEMEN:

Form C-104 for your Harry Leonard "E" 4-BL-T A 16-21-37 Tabb  
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

**GAS- GAS DUAL**

- ( ) An unorthodox location,
- ( ) Located on an unorthodox proration unit,
- ( ) Outside the boundaries of a designated pool,

it will be necessary for you to;

- ( ) Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- ( ) Comply with the provisions of Rule 7 of Commission Order \_\_\_\_\_
- ( ) File Form C-123

Pending further Commission action this unit will be assigned an \_\_\_\_\_ acre allowable.

**Normal 160 acre unit**

**Stanley J. Stanley**  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter

**PB**

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HOBBS, NEW MEXICO

DATE April 27, 1954

TO: Gulf Oil Corp.

P. O. Box 2167 Hobbs, New Mexico

GENTLEMEN:

Form C-104 for your Harry Leonard "E" #4-HL-T A 16-21-37 Hlinebry  
LEASE WELL S.T.R. POOL

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- ( ) An unorthodox location,
- ( ) Located on an unorthodox proration unit,
- ( ) Outside the boundaries of a designated pool,

it will be necessary for you to;

- ( ) Comply with the provisions of Rule 4 of Commission Order \_\_\_\_\_
- ( ) Comply with the provisions of Rule 7 of Commission Order \_\_\_\_\_
- ( ) File Form C-123

Pending further Commission action this unit will be assigned an \_\_\_\_\_ acre allowable.

**Normal 160 acre unit**

**Stanley J. Stanley**  
A. L. Porter, Jr.  
Proration Manager

ALP/pb

cc/ Transporter

**PBasin**

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt, \quad (1)$$

where  $x$  is a real number. It is shown that the function  $f(x)$  is continuous and differentiable on the whole real axis. The derivative of the function is found to be

$$f'(x) = \frac{1}{1+x^2}. \quad (2)$$

It is also shown that the function  $f(x)$  is bounded on the whole real axis. The maximum and minimum values of the function are found to be

$$f(x) \leq \frac{\pi}{2}, \quad f(x) \geq -\frac{\pi}{2}. \quad (3)$$

The second part of the paper is devoted to the study of the properties of the function  $g(x)$  defined by the equation

$$g(x) = \int_0^x \frac{t}{1+t^2} dt, \quad (4)$$

where  $x$  is a real number. It is shown that the function  $g(x)$  is continuous and differentiable on the whole real axis. The derivative of the function is found to be

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE OCC

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPPLICATE

1954 APR 25 AM 7:40

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Gulf Oil Corporation Lease Harry Leonard "E"

Address Hobbs, New Mexico Fort Worth, Texas  
(Local or Field Office) (Principal Place of Business)

Unit A, Well(s) No 4 BL-T, Sec 16, T 21-S, R 37-E, Pool Blineby Gas

County Lea Kind of Lease Patented

If Oil well Location of Tanks

Authorized Transporter Permian Basin Pipeline Company Address of Transporter

Hobbs, New Mexico Omaha, Nebraska  
(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported 100% Other Transporters authorized to transport Oil or Natural Gas from this unit are None

REASON FOR FILING: (Please check proper box)

NEW WELL ☐ CHANGE IN OWNERSHIP ☐

CHANGE IN TRANSPORTER ☐ OTHER (Explain under Remarks) Recompletion ☒

REMARKS:

**Filed in compliance with Rule 12 of Order R-372-A**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 22nd day of April, 19 54

Gulf Oil Corporation

Approved APR 16 1954, 19

OIL CONSERVATION COMMISSION

By J. G. Stanley

Title

By T. W. Rhoads T. W. Rhoads

Title Division Gas and Gasoline Supervisor

## INSTRUCTIONS

This form shall be executed and filed in QUADRUPLICATE with the District Office of the Oil Conservation Commission, covering each unit from which oil or gas is produced. A separate certificate shall be filed for each transporter authorized to transport oil or gas from a unit. After said certificate has been approved by the Oil Conservation Commission, one copy shall be forwarded to the transporter, one copy returned to the producer, and two copies retained by the Oil Conservation Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one proration period, the operator shall in lieu of filing a new certificate notify the Oil Conservation Commission District Office, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil or gas to be moved by the transporter temporarily moving oil or gas from the unit and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil or gas than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Oil Conservation Commission shall constitute a permit for pipe line connection and authorization to transport oil and gas from the property named therein and shall remain in full force and effect until

- (a) Operating ownership changes
- (a) The transporter is changed or
- (c) The permit is cancelled by the Commission.

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same time this report is filed, explain fully under the heading "REMARKS."

In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil or gas, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil or gas.

A separate report shall be filed to cover each producing unit as designated by the Oil Conservation Commission.

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

REQUEST FOR (OIL) - (GAS) ALLOWABLE

HOBBS OFFICE OCC

New Well  
☒ Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to a well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Fort Worth, Texas

4-22-54

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Gulf Oil Corporation

Harry Leonard "E"

Well No. 4 BL-T, in NE 1/4 NE 1/4,

(Company or Operator)

(Lease)

A

Sec. 16

T. 21-S

R. 37-E

NMPM,

Blinebry Gas

Pool

(Unit)

County. Date Spudded. 9-25-48

Date Completed. 3-30-54 as

Recompletion started 3-15-54

Gas-Gas Dual

Please indicate location:


Elevation. 3475' Total Depth. 6699' P.B. 6340'

Top oil/gas pay. 5585' Top of Prod. Form. Blinebry

Casing Perforations: 5585-5640' and 5660-5720' or

Depth to Casing shoe of Prod. String.

Natural Prod. Test. BOPD

based on. bbls. Oil in. Hrs. Mins.

Test after acid or shot. BOPD

Based on. bbls. Oil in. Hrs. Mins.

Gas Well Potential. Flow rate on initial test 2,080 MCF/Day at a back pressure of 1175 psi

Size choke in inches.

Date first oil run to tanks or gas to Transmission system:

Transporter taking Oil or Gas: Permian Basin Pipeline Company

Casing and Cementing Record

Size Feet Sax

13-3/8"	297	300
9-5/8"	2800	1300
7"	6645	700

Remarks: Filed in compliance with Rule 12 of Order R-372-A.

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved. APR 24 1954, 19.

Gulf Oil Corporation

(Company or Operator)

By:

T. W. Rhoads

T. W. Rhoads

(Signature)

Title. Division Gas and Gasoline Supervisor

Send Communications regarding well to:

Name. Gulf Oil Corporation

Address. Hobbs, New Mexico

OIL CONSERVATION COMMISSION

By:

Engineer District 1

Title

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE OCC

It is necessary that Form C-104 be approved before this form can be approved and an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE. 1954 APR 25 AM 7:39

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator..... **Gulf Oil Corporation** ..... Lease..... **Harry Leonard "E"** .....

Address..... **Hobbs, New Mexico** ..... **Fort Worth, Texas** .....  
(Local or Field Office) (Principal Place of Business)

Unit..... **A** ....., Well(s) No. **4 BL-T** ....., Sec. **16** ....., T. **21-S** ....., R. **37-E** ....., Pool..... **Tubb Gas** .....

County..... **Lea** ..... Kind of Lease:..... **Patented** .....

If Oil well Location of Tanks.....

Authorized Transporter..... **Permian Basin Pipeline Company** ..... Address of Transporter

..... **Hobbs, New Mexico** ..... **Omaha, Nebraska** .....  
(Local or Field Office) (Principal Place of Business)

Per cent of Oil or Natural Gas to be Transported..... **100%** ..... Other Transporters authorized to transport Oil or Natural Gas  
from this unit are..... **None** .....

REASON FOR FILING: (Please check proper box)

NEW WELL..... ☐ CHANGE IN OWNERSHIP..... ☐

CHANGE IN TRANSPORTER..... ☐ OTHER (Explain under Remarks)..... **Recompletion** ☒

REMARKS:

**Filed in compliance with Rule 12 of Order R-373-A**

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the **22nd** day of **April**, 19 **54**

**Gulf Oil Corporation**

Approved..... **APR 25 1954** ....., 19.....

OIL CONSERVATION COMMISSION

By..... **T. W. Rhoads** **T. W. Rhoads**

Title..... **Division Gas and Gasoline Supervisor**

Title.....



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