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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

FORM C-110
(Rev. 7-60)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE. *Mar 31 '64*

Company or Operator Gulf Oil Corporation				Lease Northwest Eumont Unit		Well No. 11-16	
Unit Letter P	Section 11	Township 19-S	Range 36-E	County Lea			
Pool Eumont				Kind of Lease (State, Fed, Fee) State			
If well produces oil or condensate give location of tanks			Unit Letter H	Section 14	Township 19-S	Range 36-E	
Authorized transporter of oil <input checked="" type="checkbox"/> or condensate <input type="checkbox"/> Gulf Refining Co.				Address (give address to which approved copy of this form is to be sent) Box 1150, Midland, Texas			
Is Gas Actually Connected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
Authorized transporter of casing head gas <input checked="" type="checkbox"/> or dry gas <input type="checkbox"/> Warren Pet. Corp.			Date Connected Unk	Address (give address to which approved copy of this form is to be sent) Box 1589, Tulsa, Oklahoma			

If gas is not being sold, give reasons and also explain its present disposition:

REASON(S) FOR FILING (please check proper box)

- New Well ☐ Change in Ownership ☐
 Change in Transporter (check one)
 Oil ☐ Dry Gas ☐
 Casing head gas ☐ Condensate ☐

To change lease name and well No.

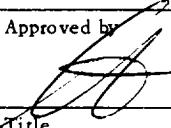
(Well is closed in at this time)

Remarks

This well was formerly known as Gulf Oil Corporation's Lea State DA #6. The Northwest Eumont has been formed, effective 4-1-64, with Gulf as operator. Permission is hereby requested to change the lease name and well number to Northwest Eumont Unit, Well No. 11-16. #Unit

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

Executed this the 26th day of March, 19 64.

OIL CONSERVATION COMMISSION		By ORIGINAL SIGNED BY C. D. BORLAND	
Approved by 		Title Area Production Manager	
Title Area Production Manager		Company Gulf Oil Corporation	
Date March 26, 1964		Address Box 670, Hobbs, New Mexico	

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

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

It is shown that the function $f(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$.

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

$$g(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $g(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. The function $g(x)$ is also shown to be bounded on the interval $(-\infty, \infty)$.

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

$$g(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$

$$h(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$

$$i(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$