

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

(File the original and 4 copies with the appropriate district office)

RECORDS OFFICE OCC

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

AUG 30 PM 3:56

Company or Operator Humble Oil & Refining Company Lease Elydia C. Winters

Well No. 2 Unit Letter F S 18 T 258 R 378 Pool Jalmt

County Lea Kind of Lease (State, Fed. or Patented) Patented

If well produces oil or condensate, give location of tanks: Unit E S 18 T 258 R 378

Authorized Transporter of Oil or Condensate Humble Pipe Line Company

Address Box 4072, Odessa, Texas

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Jal, New Mexico

(Give address to which approved copy of this form is to be sent)

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

Reasons for Filing: (Please check proper box) New Well ☐

Change in Transporter of (Check One): Oil ☐ Dry Gas ☐ C'head ☐ Condensate ☐

Change in Ownership ☐ Other ☒

Remarks: (Give explanation below)

**Previously designated as Cooper-Jal Pool well; reclassified as Jalmt Pool well
effective 10-1-55.**

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

Executed this the 29th day of August 19 55

By Mr m Rogn

Approved 1955 19

Title Agent

OIL CONSERVATION COMMISSION

Company Humble Oil & Refining Company

By W. H. Armstrong

Address Box 2347, Hobbs, New Mexico

Title Oil Inspector

Job

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 $(-\infty, \infty)$. Moreover, the function $f(x)$ is bounded on the interval $(-\infty, \infty)$.

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

$$g(x) = \int_0^x \frac{1}{1+t^4} dt, \quad x \in \mathbb{R}.$$

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

3. The third part of the paper is devoted to the study of the properties of the function $h(x)$ defined by the equation

$$h(x) = \int_0^x \frac{1}{1+t^6} dt, \quad x \in \mathbb{R}.$$

$$h(x) = \int_0^x \frac{1}{1+t^6} dt,$$

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

4. The fourth part of the paper is devoted to the study of the properties of the function $k(x)$ defined by the equation

$$k(x) = \int_0^x \frac{1}{1+t^8} dt,$$