

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

REQUEST FOR PERMISSION TO CONNECT WITH PIPE LINE

This request should be SUBMITTED IN TRIPLICATE. See instructions in the Rules and Regulations of the Commission.

Hobbs, New Mexico

Place

9/18/36

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Permission is requested to connect **Tide Water Oil Company** **Martha Laughlin**
Company or Operator Lease

Wells No. **1** in **NW 1/4** of Sec. **4** T. **20**, R. **37**, N. M. P. M.

Monument Field, **Lea** County, with the pipe line of the

Texas Pipe Line Company. **Wink, Texas**
Pipe Line Co. Address

Status of land (State, Government or privately owned) **Privately Owned**

Location of tank battery **About 660' West of the center of Section 4-20-37**

Description of tanks **500-Bbl low steel Gas Tight 8' high W/21'-6" bottoms**

Logs of the above wells were filed with the Oil Conservation Commission **9/18/36**, 19

All other requirements of the Commission have ~~been~~ been complied with. (Cross out incorrect words.)

Additional information: **Well will go on allowable October 1st, 1936**

DUPLICATE

Yours truly,

Permission is hereby granted to make pipe line connections
requested above.

OIL CONSERVATION COMMISSION.

By

Title

Date

Tide Water Oil Company

Owner or Operator

By

Position

Address

T. Schneider - L. P.

Prod. Sup't

Drawer KK Hobbs, New Mexico

Sept. 21-1936

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 $(-\infty, \infty)$.

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

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

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

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

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

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

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

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

5. The fifth part of the paper is devoted to the study of the properties of the function $l(x)$ defined by the equation

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

6. The sixth part of the paper is devoted to the study of the properties of the function $m(x)$ defined by the equation

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

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

7. The seventh part of the paper is devoted to the study of the properties of the function $n(x)$ defined by the equation

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

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