

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
BOX 2045
HOBBS, NEW MEXICO

DATE December 23, 1953

TO: Western Natural Gas Company
Midland Tower, Midland, Texas

GENTLEMEN:

Form C-104 for your Wimberly 1 23-25-37 Langmat
LEASE WELL S.T.R. POOL

has been approved, however, since this well is:

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

it will be necessary for you to;

- () Comply with the provisions of Rule 4 of Commission Order _____
- (X) Comply with the provisions of Rule 7 of Commission Order R 369 A
- (X) File Form C-123

Pending further Commission action this unit will be assigned an 80 acre allowable.

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

ALP/pb

cc/ Transporter El Paso Natural Gas Co.

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

$f(x) = \int_0^x f(t) dt$

where $f(x)$ is a continuous function on the interval $[0, 1]$.

It is easy to see that the function $f(x)$ satisfies the equation

$f(x) = \int_0^x f(t) dt$ for all $x \in [0, 1]$. This is because the derivative of the function $f(x)$ is equal to $f(x)$ itself, and the function $f(x)$ is zero at $x=0$.

Therefore, the function $f(x)$ is the only solution of the equation

$f(x) = \int_0^x f(t) dt$

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