

704 Western United Life Building
Midland, Texas 79701

August 26, 1970

RECEIVED

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O. O. O.
ARTESIA, OFFICE

The Oil Conservation Commission
State of New Mexico
Drawer DD
Artesia, New Mexico

Gentlemen:

Under separate cover we have filed Form C-104, Request for Allowable, on our recently completed ARCO-Federal #1. This well is located 660' FNL and 810' FWL, Section 5, T-18-S, R-31-E, Eddy County, New Mexico.

The nearest comparable production is in the Grayburg-Jackson Pool located approximately one mile to the North. However, several dry holes, drilled through the equivalent producing zone and lying between the ARCO-Federal #1 and this pool, are possible evidence of a new common source of supply.

At the present time, we are studying the geological interpretation of the area. Also, we would like to observe the immediate production performance of the well. Within approximately thirty days, if we are of the opinion that a new pool has been discovered, we respectfully request permission to file the required information for your consideration.

This well first produced new oil from the presently completed zone on August 18, 1970. By this letter, we wish to protect our rights to discovery allowable until such time as formal application is made.

Yours very truly,

THE EASTLAND OIL COMPANY



George D. Neal

GDN:kjd

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 $f(0) = 1$.

It is shown that the function $f(x)$ is continuous and differentiable at the origin, and that its derivative is equal to $f(0)$.

2. The second 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 $f(0) = 1$. It is shown that the function $f(x)$ is continuous and differentiable at the origin, and that its derivative is equal to $f(0)$.

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