

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 2045

HOBBS, NEW MEXICO

Date June 4, 1956

To:

Re: Gas Wells

El Paso Natural Gas Co.

Box 1384

Jal, New Mex.

This is:

A New Gas Well ( ☒ )  
An oil well converted to gas ( ☒ )  
An Oil-Gas Dual ( )  
A Gas-Gas Dual ( )

Gentlemen:

Form C-104 has been received on your Wells Fed. #1-I 5-25-37,  
Lease and Well No. Unit S-T-R

But no allowable can be assigned this well until the following forms have been received:

Form C-110 \_\_\_\_\_

Plat \_\_\_\_\_

NSP Order \_\_\_\_\_

Affidavit of communitization \_\_\_\_\_

Notice of Connection \_\_\_\_\_

And a 160 acre allowable will be assigned in the Jalnat Pool under NSP Order No. 266.

Filed 6/4/56

Filed 6/4/56

Application filed 6/4/56

Filed Not Required

Date of connection 3/22/56

OIL CONSERVATION COMMISSION

C. M. Lueder  
Engineer, District 1

Original-Operator  
CC-File

Original-CCC, Santa Fe  
CC-File, operator &  
Transporter- ☒

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

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is well known that this function is the arctangent function, i.e.

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

$$g(x) = \int_0^x \frac{1}{1+t^4} dt$$

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

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

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

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

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

$$l(x) = \int_0^x \frac{1}{1+t^{10}} dt$$

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

$$m(x) = \int_0^x \frac{1}{1+t^{12}} dt$$

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

$$n(x) = \int_0^x \frac{1}{1+t^{14}} dt$$

8. The eighth part of the paper is devoted to the study of the properties of the function  $o(x)$  defined by the equation

$$o(x) = \int_0^x \frac{1}{1+t^{16}} dt$$

9. The ninth part of the paper is devoted to the study of the properties of the function  $p(x)$  defined by the equation

$$p(x) = \int_0^x \frac{1}{1+t^{18}} dt$$

10. The tenth part of the paper is devoted to the study of the properties of the function  $q(x)$  defined by the equation

$$q(x) = \int_0^x \frac{1}{1+t^{20}} dt$$

11. The eleventh part of the paper is devoted to the study of the properties of the function  $r(x)$  defined by the equation

$$r(x) = \int_0^x \frac{1}{1+t^{22}} dt$$