

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE December 20, 1955

MR. W. B. MACEY  
OIL CONSERVATION COMMISSION  
P. O. BOX 871  
SANTA FE, NEW MEXICO

RE: PROPOSED ORDER NO. DC 264

Dear Mr. Macey:

I have examined the application for dual completion dated 12/6  
for T. P. Coal & Oil St. N. M. Ac. 2 #1 4-12-33  
Operator Lease Name Well No. Unit S-T-R

and my recommendations are as follows:

OK CR

OK-Randall-Operator is going to submit corrected copy of application  
showing correct perforations. The upper gas perforations may be Wolfcamp.  
My tentative top of Penn. is 8590.

Yours very truly,

OIL CONSERVATION COMMISSION

Engineer-District 1

hs

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.,  $f(x) = \arctan x$ .

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

$$g(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt + \dots$$

It is well known that this function is the arctangent function, i.e.,  $g(x) = \arctan x$ .

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

$$h(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt + \dots$$

It is well known that this function is the arctangent function, i.e.,  $h(x) = \arctan x$ .

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

$$k(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt + \dots$$

It is well known that this function is the arctangent function, i.e.,  $k(x) = \arctan x$ .

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

$$l(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt + \dots$$

It is well known that this function is the arctangent function, i.e.,  $l(x) = \arctan x$ .

$$m(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt + \int_0^x \frac{1}{1+t^6} dt + \dots$$