

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

Date Jan. 24, 1957

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

Re: Proposed NSP 351  
Proposed NSL

Gentlemen:

I have examined the application dated 1/21/57  
for the Resler & Sheldon Steeler #1-L 20-23-37  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

O.K. — E.J.F.

O.K. — J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION

Engineer

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation  $f(x) = \int_0^x f(t) dt$ . It is shown that  $f(x)$  is a constant function.

2. In the second part, we consider the function  $f(x)$  defined by the equation  $f(x) = \int_0^x f(t) dt + x$ . It is shown that  $f(x)$  is a linear function.

3. The third part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation  $f(x) = \int_0^x f(t) dt + x^2$ . It is shown that  $f(x)$  is a quadratic function.

4. In the fourth part, we consider the function  $f(x)$  defined by the equation  $f(x) = \int_0^x f(t) dt + x^3$ . It is shown that  $f(x)$  is a cubic function.

5. The fifth part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation  $f(x) = \int_0^x f(t) dt + x^4$ . It is shown that  $f(x)$  is a quartic function.