

OIL CONSERVATION COMMISSION

P. O. BOX 2045  
HOBBS, NEW MEXICO

Date March 6, 1956

TO:

Continental Oil Co.

Box 68

Elmice, New Mexico

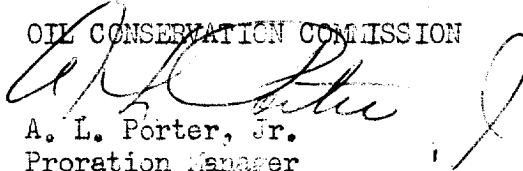
Gentlemen:

In accordance with the provisions of Commission Order No. R-767,  
your Elliott A-21 #1-P 21-22-37,  
Lease and Well No. S-T-R,  
which is producing from the Queen formation, has been  
placed in the \_\_\_\_\_ Pool, and from this date forward  
will be subject to the Commission's rules and regulations governing  
that pool.

You are hereby instructed to file Form C-110 in quintuplicate with  
the Hobbs office showing the change in pool designation.

All future Commission reports for this well must be filed under  
the name of the pool in which it is now located.

OIL CONSERVATION COMMISSION

  
A. L. Porter, Jr.  
Proration Manager

cc: OCC, Santa Fe  
Transporter- **Shell PL**

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

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

2. It is well known that the function  $f(x)$  is increasing and concave down on the interval  $(-\infty, \infty)$ .

3. The function  $f(x)$  has a horizontal asymptote at  $y = \frac{\pi}{2}$  as  $x \rightarrow \infty$ .

4. The function  $f(x)$  has a vertical asymptote at  $x = 0$  as  $x \rightarrow 0$ .

5. The function  $f(x)$  is continuous on the interval  $(-\infty, \infty)$ .

6. The function  $f(x)$  is differentiable on the interval  $(-\infty, \infty)$ .

7. The function  $f(x)$  is bounded on the interval  $(-\infty, \infty)$ .

8. The function  $f(x)$  is continuous at  $x = 0$ .

9. The function  $f(x)$  is differentiable at  $x = 0$ .

10. The function  $f(x)$  is bounded at  $x = 0$ .

11. The function  $f(x)$  is continuous at  $x = \infty$ .

12. The function  $f(x)$  is differentiable at  $x = \infty$ .

13. The function  $f(x)$  is bounded at  $x = \infty$ .

14. The function  $f(x)$  is continuous at  $x = -\infty$ .

15. The function  $f(x)$  is differentiable at  $x = -\infty$ .

16. The function  $f(x)$  is bounded at  $x = -\infty$ .

17. The function  $f(x)$  is continuous at  $x = 0$ .

18. The function  $f(x)$  is differentiable at  $x = 0$ .

19. The function  $f(x)$  is bounded at  $x = 0$ .