

OIL CONSERVATION DIVISION

Drawer DD Artesia, NM

DISTRICT OFFICE #2

July thru Aug. 1980

NO. 2155 R

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE July 30, 1980

PURPOSE ALLOWABLE REVISION

Effective July 18, 1980, the allowable of the following Yates
Pet. Corp. well in the Pennasco Draw SA-Yaso Assoc. Pool is
hereby revised as indicated:

Allison CQ Fed. #6-D-13-19-24 Increased to 12 BOPD

17 days at 11 BOPD	187 bbls. current
14 days at 12 BOPD	168 bbls. current

Total July Allowable	355 bbls.
Total Aug. Allowable	372 bbls.

WAG:ar

Yates Pet. Corp.

ECO

OIL CONSERVATION DIVISION

W. A. Gressett
DISTRICT SUPERVISOR

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 shown that the function $f(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$.

2. In the second part of the paper, we consider the function $F(x)$ defined by the equation

$$F(x) = \int_0^x \frac{1}{1+t^2} dt + \int_0^x \frac{1}{1+t^4} dt.$$

It is shown that the function $F(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$.

3. In the third part of the paper, we consider the function $G(x)$ defined by the equation

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

It is shown that the function $G(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$.

4. In the fourth part of the paper, we consider the function $H(x)$ defined by the equation

5. In the fifth part of the paper, we consider the function $I(x)$ defined by the equation

6. In the sixth part of the paper, we consider the function $J(x)$ defined by the equation