

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
1000 Rio Brazos Road
Aztec, New Mexico 87410

March 8, 1968

Southern Union Production Company
P.O. Box 808
Farmington, New Mexico 87401

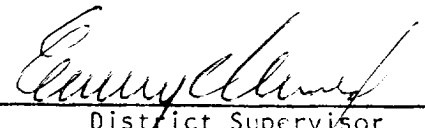
Attention: Mr. Gilbert D. Holand or Mr. William Vanderslice

SUBJECT: NON-STANDARD GAS PRORATION UNIT CONSISTING OF 162.91 ACRES
IN THE South Blanco Pictured Cliffs GAS POOL DESCRIBED AS
FOLLOWS:

TOWNSHIP 26 NORTH, RANGE 4 WEST, NMPM

SECTION: 19 Southwest quarter

By authority granted me by Rule 5(B) of Order No. R-1670, as amended, the
above-described acreage has been approved as a non-standard gas proration
unit to be dedicated to the Jicarilla H
Well No. 3, located 1650' from S. line & 990' from W. line of said
Section 19.


District Supervisor
District #3

cc: Oil Conservation Commission
Santa Fe, New Mexico

2. 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

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

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

3. In the second part of the paper, we shall study the function $f(x)$ defined by the equation

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

and shall show that the function $f(x)$ is increasing and concave down on the interval $(-\infty, \infty)$.

4. In the third part of the paper, we shall study the function $f(x)$ defined by the equation

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

and shall show that the function $f(x)$ is increasing and concave down on the interval $(-\infty, \infty)$.

5. In the fourth part of the paper, we shall study the function $f(x)$ defined by the equation

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

and shall show that the function $f(x)$ is increasing and concave down on the interval $(-\infty, \infty)$.

6. In the fifth part of the paper, we shall study the function $f(x)$ defined by the equation