

New Mexico Oil Conservation Commission
March 18, 1954
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(g) That the manner and method of the proposed dual completion is mechanically feasible and practical.

(h) That by copy of this letter of application, all offset operators are notified of the proposed dual completion.

Therefore, Gulf Oil Corporation requests that the Oil Conservation Commission grant permission to the applicant to dually complete the subject well as proposed in this application.

Respectfully submitted,

ORIGINAL SIGNED
BY

C. F. TAYLOR

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Area Production Superintendent

REL:ptg

cc: Atlantic Refining Company
McClintic Building
Midland, Texas

Humble Oil & Refining Co.
Box 2347
Hobbs, New Mexico

Shell Oil Company
Box 1957
Hobbs, New Mexico

Warren Petroleum Corporation
Box 67
Monument, New Mexico

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 increasing and concave down on the interval $(-\infty, \infty)$.

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

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

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

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

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

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

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

$$k(x) = \int_0^x \frac{1}{1+t^8} dt$$