

WESTERN OIL FIELDS, INC.

1827 GRANT STREET
POST OFFICE BOX 1139 DENVER, COLORADO
TELEPHONE MAIN 3-0226

Hobbs, New Mexico
October 31, 1958

Mr. A. L. Porter
Secretary and Director
New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Re: Unorthodox well location in Tubbs Gas Pool, Lea County,
New Mexico.

Dear Sir:

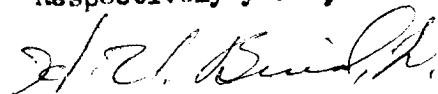
In 1951 Western Oil Fields, Inc. staked a well in Section 30, T-22S, R-38E, Unit A. The well was known as Western Oil Fields, Inc. Drinkard #1 - A. Drilling operations were terminated at 2860 feet when intermediate casing collapsed. When drilling operations were resumed, the new well was staked and drilled 60 feet north of the old location. The second well was known as Western Oil Fields, Inc. Drinkard #1 X in Unit A. This location was carried on the records as being 2040 feet FSL and 660 feet FEL. The Drinkard 1-X was drilled to and completed in the Drinkard Zone; it has produced from this zone since completion date (January 1952).

Since this well is located in a 160 acre tract, unitization agreement with Gulf Oil Corporation was obtained, and permission to dual complete was obtained from the Oil Conservation Commission.

Difficulty was encountered in obtaining a plat of the original survey and a new survey was run to determine the exact location. A discrepancy in the location was found which makes the location out of place, and not in compliance with established field rules. The actual distance from the property lines as established by the new survey is 2054 feet FSL and 658.8 feet FEL.

Permission is hereby requested for exception to Rule 2 of order R-586 of the New Mexico Oil Conservation Commission.

Respectively yours,



H. U. Bird, Jr.
Petroleum Engineer
Western Oil Fields, Inc.

HUB:sv

Contributed by the author of the book "The History of the World"

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In compliance with New Mexico Oil Conservation Commission Rules,
all operators within 1980 feet of the Western Oil Fields, Inc. Drinkard
No. 1X-A well have been notified of this request for an unorthodox lo-
cation in the Tubbs Gas Pool. Those who have been notified are:

CC: Oil Conservation Commission
P.O. Box 871
Santa Fe, New Mexico

Oil Conservation Commission
P.O. Box 2045
Hobbs, New Mexico

Gulf Oil Corporation
P.O. Box 2167
Hobbs, New Mexico

Cities Service Pipeline Co.
Leggett Building
Midland, Texas

Western Oil Fields, Inc.
P.O. Box 1139
Denver, Colorado

The Texas Company
P.O. Box 1270
Midland, Texas

Pan American Petroleum Corp.
P.O. Box 899
Roswell, 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 $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a constant function, and its value is determined by the initial condition $f(0) = 1$.

2. In the second part, we consider the function $g(x)$ defined by the equation $g(x) = \int_0^x g(t) dt + x$. It is shown that $g(x)$ is a linear function, and its value is determined by the initial condition $g(0) = 0$.

3. Finally, we study the function $h(x)$ defined by the equation $h(x) = \int_0^x h(t) dt + x^2$. It is shown that $h(x)$ is a quadratic function, and its value is determined by the initial condition $h(0) = 0$.