

OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

JUL 7 1950

HOBBS OFFICE

Miscellaneous Reports on Wells

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

July 12, 1950

Jal, New Mexico

Date

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____
R. Olsen _____ **Gutman** _____ Well No. **1** _____ in the _____
 _____ Company or Operator _____ Lease _____
C NE SE _____ of Sec. **29** _____ T. **25 S** _____ R. **37 E** _____, N. M. P. M.,
Langlie Mattix _____ Field _____ **Lea** _____ County.
July 10, 1950

The dates of this work were as follows: _____

Notice of intention to do the work was (was not) submitted on Form C-102 on _____ 19_____
 and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

3130' of 20# 7' casing was set and cemented with 200 sacks at shoe. 300 sacks through 2-stage tool at 1164' and circulated to the surface. Plug was pumped down at 11:45 a.m. July 10, 1950. Water shut off test was made under 1000# pressure and held for one hour and found to be okay.

Witnessed by **G. J. Enos** _____ **R. Olsen** **Prod. Supt.** _____
 Name Company Title

Subscribed and sworn before me this _____

I hereby swear or affirm that the information given above is true and correct.

13 day of **July**, 19**50**

 Notary Public

Name **G. J. Enos**
 Position _____
 Representing **R. Olsen**
 Company or Operator

My Commission Expires Sept. 2, 1953
 My commission expires _____

Address **Drawer "Z" Jal, New Mexico**

Remarks:

APPROVED

DATE JUL 17 1950

Ray Garbrough

 Title

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

$$f(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $f(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, the function $f(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{2}, \frac{\pi}{2})$.

2. The second part of the paper is devoted to the study of the properties of the function $g(x)$ defined by the equation

$$g(x) = \int_0^x \frac{1}{1+t^4} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $g(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, the function $g(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{4}, \frac{\pi}{4})$.

3. The third part of the paper is devoted to the study of the properties of the function $h(x)$ defined by the equation

$$h(x) = \int_0^x \frac{1}{1+t^6} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $h(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, the function $h(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{6}, \frac{\pi}{6})$.

4. The fourth part of the paper is devoted to the study of the properties of the function $k(x)$ defined by the equation

$$k(x) = \int_0^x \frac{1}{1+t^8} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $k(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, the function $k(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{8}, \frac{\pi}{8})$.

5. The fifth part of the paper is devoted to the study of the properties of the function $l(x)$ defined by the equation

$$l(x) = \int_0^x \frac{1}{1+t^{10}} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $l(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, the function $l(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{10}, \frac{\pi}{10})$.

6. The sixth part of the paper is devoted to the study of the properties of the function $m(x)$ defined by the equation

$$m(x) = \int_0^x \frac{1}{1+t^{12}} dt, \quad x \in \mathbb{R}.$$

It is shown that the function $m(x)$ is strictly increasing and concave down on the interval $(-\infty, \infty)$. Moreover, the function $m(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{12}, \frac{\pi}{12})$.