

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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			

Hobbs, New Mexico
Place

August 15th, 1936
Date

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 _____

Tide Water Oil Company M.E. Laughlin Well No. 1 in the
Company or Operator Lease
SE 1/4 of Sec. 8, T. 20N, R. 37E, N. M. P. M.,
Monument Field, Lea County.

The dates of this work were as follows: August 15th, 1936

Notice of intention to do the work was ~~XXXX~~ submitted on Form C-102 on 8/13/36 19 36
and approval of the proposed plan was ~~XXXX~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

13"OD casing was cemented in 17"hole at 229' W/ 250-sax.
Plug was drilled, hole bailed dry and allowed to stand one hour,
run bailer again and was still dry.

DUPLICATE

Was unable to get offset operator representative to witness test

Witnessed by Curly Murphy Carl B. King Drilling Co. Tool Pusher
Name Company Title

Subscribed and sworn to before me this 18

day of

Aug 18, 1936

Patricia Murphy
Notary Public

My Commission expires 10-24-35

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

Name H. Schneider - S. J.

Position Prod. Sup't

Representing Tide Water Oil Co.
Company or Operator

Address Hobbs, New Mexico

Remarks:

[Signature]
Name

Name

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

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

It is shown that the function $f(x)$ is 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 $(0, \frac{\pi}{2})$.

2. In the second part of the paper, we study the properties of the function $g(x)$ defined by the equation

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

It is shown that the function $g(x)$ is increasing and concave up 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. In the third part of the paper, we study the properties of the function $h(x)$ defined by the equation

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

It is shown that the function $h(x)$ is 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 $(0, \frac{\pi}{2})$.

4. In the fourth part of the paper, we study the properties of the function $k(x)$ defined by the equation

$$k(x) = \int_0^x \frac{t^3}{1+t^2} dt.$$

It is shown that the function $k(x)$ is increasing and concave up on the interval $(-\infty, \infty)$.

Moreover, the function $k(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{4}, \frac{\pi}{4})$.

5. In the fifth part of the paper, we study the properties of the function $l(x)$ defined by the equation

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

It is shown that the function $l(x)$ is 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 $(0, \frac{\pi}{2})$.

6. In the sixth part of the paper, we study the properties of the function $m(x)$ defined by the equation

$$m(x) = \int_0^x \frac{t^5}{1+t^2} dt.$$

It is shown that the function $m(x)$ is increasing and concave up on the interval $(-\infty, \infty)$.

Moreover, the function $m(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{4}, \frac{\pi}{4})$.

7. In the seventh part of the paper, we study the properties of the function $n(x)$ defined by the equation

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

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

Moreover, the function $n(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(0, \frac{\pi}{2})$.

8. In the eighth part of the paper, we study the properties of the function $o(x)$ defined by the equation

$$o(x) = \int_0^x \frac{t^7}{1+t^2} dt.$$

It is shown that the function $o(x)$ is increasing and concave up on the interval $(-\infty, \infty)$.

Moreover, the function $o(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\frac{\pi}{4}, \frac{\pi}{4})$.