

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 RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL REPORT ON RESULT OF TEST OF CASING SHUT-OFF REPORT ON RESULT OF PLUGGING OF WELL	X	REPORT ON REPAIRING WELL REPORT ON PULLING OR OTHERWISE ALTERING CASING REPORT ON DEEPENING WELL
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Hobbs, New Mexico.

May 22, 1936.

Place

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

REPOLLO OIL COMPANY **J.T. LANEHART "A"** Well No. **1** in the
 Company or Operator Lease
N/2 NW/4 of Sec. **28**, T. **25S**, R. **37E**, N. M. P. M.,
JAL Field, **IEA** County.

The dates of this work were as follows: May 22, 1936.

Notice of intention to do the work was (was ~~not~~) submitted on Form C-102 on May 19th 19 36
 and approval of the proposed plan was (was ~~not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 9-5/8" OD casing on May 22nd with 1200# pump pressure. Closed all valves and allowed to stand for 30 minutes. Tested OK.

Witnessed by _____ ? _____ ? _____ ?
 Name Company Title

Subscribed and sworn to before me this 17

day of June, 19 36

Patricia Mahoney
 Notary Public

My Commission expires 10-27-39

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

Name J. Shurt

Position Dist. Superintendent

Representing Repollo Oil Company
 Company or Operator

Address Box # 156, Hobbs, N.M.

Remarks:

APPROVED
[Signature]
 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 continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of the function is found to be $f'(x) = \frac{1}{1+x^2}$. It is also shown that the function $f(x)$ is bounded on the interval $(-\infty, \infty)$ and that its range is the interval $(0, \frac{\pi}{2})$.

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

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

It is shown that the function $g(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of the function is found to be $g'(x) = \frac{x}{1+x^2}$.

It is also shown that the function $g(x)$ is bounded on the interval $(-\infty, \infty)$ and that 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

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

It is shown that the function $h(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of the function is found to be $h'(x) = \frac{1}{1+x^4}$.

It is also shown that the function $h(x)$ is bounded on the interval $(-\infty, \infty)$ and that its range is the interval $(0, \frac{\pi}{4})$.

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

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

It is shown that the function $k(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of the function is found to be $k'(x) = \frac{x^2}{1+x^4}$.

It is also shown that the function $k(x)$ is bounded on the interval $(-\infty, \infty)$ and that its range is the interval $(0, \frac{\pi}{4})$. The function $k(x)$ is also shown to be an odd function, i.e., $k(-x) = -k(x)$.

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

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

It is shown that the function $l(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of the function is found to be $l'(x) = \frac{1}{1+x^6}$.

It is also shown that the function $l(x)$ is bounded on the interval $(-\infty, \infty)$ and that its range is the interval $(0, \frac{\pi}{6})$.

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

$$m(x) = \int_0^x \frac{t^4}{1+t^6} dt.$$

It is shown that the function $m(x)$ is continuous and differentiable on the interval $(-\infty, \infty)$. The derivative of the function is found to be $m'(x) = \frac{x^4}{1+x^6}$.

It is also shown that the function $m(x)$ is bounded on the interval $(-\infty, \infty)$ and that its range is the interval $(0, \frac{\pi}{6})$. The function $m(x)$ is also shown to be an even function, i.e., $m(-x) = m(x)$.