

NEW E. O 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	X	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		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico

Place

12/30/35

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.

State D

Well No. **1** in the _____

Company or Operator

SE 1/4

of Sec. **16**

T. **21**

Lease

36

R. **36**

N. M. P. M.,

Eunice

Field, **Lea**

County.

The dates of this work were as follows: _____

Notice of intention to do the work was ~~[was not]~~ submitted on Form C-102 on **101. 12/13/35** 19 _____

and approval of the proposed plan was ~~[was not]~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded 12/30/35

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn to before me this **30**

day of **Dec.**

19**35**

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

Name **T. Schneider - S. P.**

Position **Prod. Sup't**

Representing **Tide Water Oil Company**

Company or Operator

My Commission expires **Oct. 24, 1939**

Address **Drawer "KK" Hobbs, New Mexico**

Remarks:

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 well known that this function is the arctangent function, i.e., $f(x) = \arctan x$. The first part of the paper is devoted to the study of the properties of this function. In particular, we shall prove that the function is odd, i.e., $f(-x) = -f(x)$, and that it is strictly increasing on the whole real line.

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

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

It is well known that this function is the logarithm of the square of the square root of $1+x^2$, i.e., $g(x) = \frac{1}{2} \ln(1+x^2)$. The second part of the paper is devoted to the study of the properties of this function.

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

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

It is well known that this function is the difference between the function $g(x)$ and the function $f(x)$, i.e., $h(x) = g(x) - f(x)$. The third part of the paper is devoted to the study of the properties of this function.

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

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

It is well known that this function is the difference between the function $h(x)$ and the function $f(x)$, i.e., $k(x) = h(x) - f(x)$. The fourth part of the paper is devoted to the study of the properties of this function.

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

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

It is well known that this function is the difference between the function $k(x)$ and the function $f(x)$, i.e., $l(x) = k(x) - f(x)$. The fifth part of the paper is devoted to the study of the properties of this function.

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

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

It is well known that this function is the difference between the function $l(x)$ and the function $f(x)$, i.e., $m(x) = l(x) - f(x)$. The sixth part of the paper is devoted to the study of the properties of this function.

7. The seventh part of the paper is devoted to the study of the function $n(x)$ defined by the equation

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

It is well known that this function is the difference between the function $m(x)$ and the function $f(x)$, i.e., $n(x) = m(x) - f(x)$. The seventh part of the paper is devoted to the study of the properties of this function.

8. The eighth part of the paper is devoted to the study of the function $o(x)$ defined by the equation

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

It is well known that this function is the difference between the function $n(x)$ and the function $f(x)$, i.e., $o(x) = n(x) - f(x)$. The eighth part of the paper is devoted to the study of the properties of this function.

9. The ninth part of the paper is devoted to the study of the function $p(x)$ defined by the equation

$$p(x) = \int_0^x \frac{t^8}{1+t^2} dt.$$

It is well known that this function is the difference between the function $o(x)$ and the function $f(x)$, i.e., $p(x) = o(x) - f(x)$. The ninth part of the paper is devoted to the study of the properties of this function.

10. The tenth part of the paper is devoted to the study of the function $q(x)$ defined by the equation