

## OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

RECEIVED

FEB 3 1949

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 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		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	<input checked="" type="checkbox"/>		

Artesia, New Mexico

Place

October 14, 1948

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

Choate & Davis  
Company or OperatorState B-9003  
Lease

Well No. 2 in the

S. W. 1/4 of Sec. 13, T. 18S, R. 27E, N. M. P. M.,

Artesia Field, Eddy County.

The dates of this work were as follows: September 15, 1948

Notice of intention to do the work was (was not) submitted on Form C-102 on September 15, 1948

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

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

This well was plugged and abandoned according to the following;  
by Ackerman Well Servicing:

The hole was filled with mud to the bottom of the 7" casing at 1825' and the 7" was knocked off and pulled. Three sacks of cement was set on top of the mud and the hole filled with mud to 335' and two sacks of cement were set. The hole was filled with mud to the surface and 4' of pipe was set in cement.

Witnessed by \_\_\_\_\_ Name \_\_\_\_\_ Company \_\_\_\_\_ Title \_\_\_\_\_

Subscribed and sworn before me this 14th

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

day of October, 1948

Name Martin R. Landers

Position Agent, RPA

Representing Choate & Davis  
Company or Operator

My commission expires August 28, 1949

Address Cisco, Texas

Remarks:

Just R. Deanna  
Name  
ARTESIA REPRESENTATIVE  
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, such as its monotonicity, concavity, and convexity.

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.  $g(x) = \ln \sqrt{1+x^2}$ . The second part of the paper is devoted to the study of the properties of this function, such as its monotonicity, concavity, and convexity.

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 arctangent function and the logarithm of the square of the square root of  $1+x^2$ , i.e.  $h(x) = \arctan x - \ln \sqrt{1+x^2}$ . The third part of the paper is devoted to the study of the properties of this function, such as its monotonicity, concavity, and convexity.

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 arctangent function and the logarithm of the square of the square root of  $1+x^2$ , i.e.  $k(x) = \arctan x - \ln \sqrt{1+x^2}$ . The fourth part of the paper is devoted to the study of the properties of this function, such as its monotonicity, concavity, and convexity.

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 arctangent function and the logarithm of the square of the square root of  $1+x^2$ , i.e.  $l(x) = \arctan x - \ln \sqrt{1+x^2}$ . The fifth part of the paper is devoted to the study of the properties of this function, such as its monotonicity, concavity, and convexity.

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 arctangent function and the logarithm of the square of the square root of  $1+x^2$ , i.e.  $m(x) = \arctan x - \ln \sqrt{1+x^2}$ . The sixth part of the paper is devoted to the study of the properties of this function, such as its monotonicity, concavity, and convexity.

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 arctangent function and the logarithm of the square of the square root of  $1+x^2$ , i.e.  $n(x) = \arctan x - \ln \sqrt{1+x^2}$ . The seventh part of the paper is devoted to the study of the properties of this function, such as its monotonicity, concavity, and convexity.

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 arctangent function and the logarithm of the square of the square root of  $1+x^2$ , i.e.  $o(x) = \arctan x - \ln \sqrt{1+x^2}$ . The eighth part of the paper is devoted to the study of the properties of this function, such as its monotonicity, concavity, and convexity.