

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELL

DEC 28 1940

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-offs, 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			

Artesia, New Mexico

December 12, 1940

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

Brewer Drilling Co. Stal-Kindle Well No. 1 in the  
Company or Operator Lease

SW 1/4 of NE 1/4 of Sec. 26, T. 18, R. 26, N. M. P. M.,  
Dayton Field, Eddy County

The dates of this work were as follows: Dec 8 and 10th 1940

Notice of intention to do the work was (~~was not~~) submitted on Form C-102 on Nov. 20, 19 40  
and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

### DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

We set 902' of 7" 20 lb. seamless casing- cementing with 150 sacks cement and 200 sacks mud- using Halliburton system. Well let set for 72 hours before drilling the plug and test water outoff.

Witnessed by O. G. Brewer Brewer Drilling Co. Partner  
Name Company Title

Subscribed and sworn to before me this  
12th day of December, 19 40

W. B. Byers  
Notary Public

My Commission expires Sept 21, 1944

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

Name O. G. Brewer

Position Partner

Representing Brewer Drilling Co. Stal  
Company or Operator

Address Box 566 - Artesia, New Mexico

Remarks:

Roy Warbrough  
Name  
OIL & GAS INSPECTOR  
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  $(0, \pi/2)$ . The function  $f(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/2$  as  $x \rightarrow \infty$ .

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

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

It is shown that the function  $g(x)$  is 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  $(0, \pi/4)$ . The function  $g(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/4$  as  $x \rightarrow \infty$ .

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

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

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  $(0, \pi/6)$ . The function  $h(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/6$  as  $x \rightarrow \infty$ .

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

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

It is shown that the function  $k(x)$  is 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  $(0, \pi/8)$ . The function  $k(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/8$  as  $x \rightarrow \infty$ .

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

$$l(x) = \int_0^x \frac{1}{1+t^{10}} dt.$$

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  $(0, \pi/10)$ . The function  $l(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/10$  as  $x \rightarrow \infty$ .

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

$$m(x) = \int_0^x \frac{1}{1+t^{12}} dt.$$

It is shown that the function  $m(x)$  is 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  $(0, \pi/12)$ . The function  $m(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/12$  as  $x \rightarrow \infty$ .

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

$$n(x) = \int_0^x \frac{1}{1+t^{14}} dt.$$

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  $(0, \pi/14)$ . The function  $n(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/14$  as  $x \rightarrow \infty$ .

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

$$o(x) = \int_0^x \frac{1}{1+t^{16}} dt.$$

It is shown that the function  $o(x)$  is increasing and concave down on the interval  $(-\infty, \infty)$ . Moreover, the function  $o(x)$  is bounded on the interval  $(-\infty, \infty)$  and its range is the interval  $(0, \pi/16)$ . The function  $o(x)$  is also shown to be continuous on the interval  $(-\infty, \infty)$  and to have a horizontal asymptote at  $y = \pi/16$  as  $x \rightarrow \infty$ .