

## 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		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL		Report on Squeeze Job	X

Rosen Drilling Company Odessa, Texas March 25, 1948

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

Rosen Drilling Company Elliott Well No. 2-B-9 in the  
Company or Operator Lease

NE 1/4 of NW 1/4 of Sec. 9, T. 22-N, R. 27-E, N. M. P. M.,  
Paddock Field, Lee County.

The dates of this work were as follows: March 20, 1948

Notice of intention to do the work was (initial) submitted on Form C-102 on March 20 1948  
and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

We have squeezed 5" OD casing perforations from 5208' to 5223' and from 5252' to 5259' and from 5348' to 5350' with 36 sacks Incore cement. Set bridge plug at 5208', initial pressure 1800#, final pressure 2800#. Put 29 sacks in formation - reversed out seven sacks. Let set eight hours. Found cement at 5265'. Cemented with 22 sacks Incore cement from 5252' to 5195' which is the present plug back depth now. Set Kinner Dodge Hook-wall packer at 5154'. Swabbing casing perforation from 5157' to 5195'. Twenty-four hour swabbing test 5157' to 5195', 52.40 Bbl. fluid, 12.55 Bbl. water 14.85 Bbl. oil. T. D. 5314'.

Witnessed by Ira French Name Rosen Drilling Company East Texas Div. Supt.  
Company Title

Subscribed and sworn before me this

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

25th day of March, 1948

Name Ira French  
Position East Texas Division Supt.

Notary Public

Representing Rosen Drilling Company  
Company or Operator

My commission expires

Address Box 3147, Odessa, Texas

Remarks: Send original to Rosen Drilling Co.  
Box 3147  
Odessa, Texas  
Send c.c. to Rosen Drilling Co.  
303 Commercial Standard Bldg.  
Fort Worth, Texas

Ira French Name  
East Texas Div. Supt. 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

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$
for  $x \in \mathbb{R}$ . It is shown that  $f(x)$  is an odd function, i.e.,  $f(-x) = -f(x)$ , and that it is strictly increasing on  $\mathbb{R}$ . Moreover, it is proved that  $f(x)$  is bounded on  $\mathbb{R}$ , with  $\lim_{x \rightarrow -\infty} f(x) = -\frac{\pi}{2}$  and  $\lim_{x \rightarrow \infty} f(x) = \frac{\pi}{2}$ .

2. In the second part, we consider the function  $g(x)$  defined by the equation  $g(x) = \int_0^x \frac{1}{1+t^4} dt$  for  $x \in \mathbb{R}$ . It is shown that  $g(x)$  is an even function, i.e.,  $g(-x) = g(x)$ , and that it is strictly increasing on  $[0, \infty)$ . Moreover, it is proved that  $g(x)$  is bounded on  $\mathbb{R}$ , with  $\lim_{x \rightarrow -\infty} g(x) = 0$  and  $\lim_{x \rightarrow \infty} g(x) = \frac{\pi}{4}$ .

3. In the third part, we consider the function  $h(x)$  defined by the equation  $h(x) = \int_0^x \frac{1}{1+t^6} dt$  for  $x \in \mathbb{R}$ . It is shown that  $h(x)$  is an even function, i.e.,  $h(-x) = h(x)$ , and that it is strictly increasing on  $[0, \infty)$ . Moreover, it is proved that  $h(x)$  is bounded on  $\mathbb{R}$ , with  $\lim_{x \rightarrow -\infty} h(x) = 0$  and  $\lim_{x \rightarrow \infty} h(x) = \frac{\pi}{6}$ .

4. In the fourth part, we consider the function  $k(x)$  defined by the equation  $k(x) = \int_0^x \frac{1}{1+t^8} dt$  for  $x \in \mathbb{R}$ . It is shown that  $k(x)$  is an even function, i.e.,  $k(-x) = k(x)$ , and that it is strictly increasing on  $[0, \infty)$ . Moreover, it is proved that  $k(x)$  is bounded on  $\mathbb{R}$ , with  $\lim_{x \rightarrow -\infty} k(x) = 0$  and  $\lim_{x \rightarrow \infty} k(x) = \frac{\pi}{8}$ .

5. In the fifth part, we consider the function  $l(x)$  defined by the equation  $l(x) = \int_0^x \frac{1}{1+t^{10}} dt$  for  $x \in \mathbb{R}$ . It is shown that  $l(x)$  is an even function, i.e.,  $l(-x) = l(x)$ , and that it is strictly increasing on  $[0, \infty)$ . Moreover, it is proved that  $l(x)$  is bounded on  $\mathbb{R}$ , with  $\lim_{x \rightarrow -\infty} l(x) = 0$  and  $\lim_{x \rightarrow \infty} l(x) = \frac{\pi}{10}$ .