

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

**MISCELLANEOUS NOTICES**

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Place

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the \_\_\_\_\_

\_\_\_\_\_  
Company or Operator Lease Well No. \_\_\_\_\_ in \_\_\_\_\_  
of Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, N. M. P. M., \_\_\_\_\_ Field.  
\_\_\_\_\_ County.

**FULL DETAILS OF PROPOSED PLAN OF WORK**

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Approved \_\_\_\_\_, 19\_\_\_\_  
except as follows:

OIL CONSERVATION COMMISSION,

By \_\_\_\_\_  
Title \_\_\_\_\_

Company or Operator

By \_\_\_\_\_

Position \_\_\_\_\_

Send communications regarding well to

Name \_\_\_\_\_

Address \_\_\_\_\_

1. The first part of the paper is devoted to a 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  $(-\infty, \infty)$ .

2. In the second part of the paper, we study 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  $(-\infty, \infty)$ .

3. In the third part of the paper, we study 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  $(-\infty, \infty)$ .

4.

5. In the fifth part of the paper, we study 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  $(-\infty, \infty)$ .

6. In the sixth part of the paper, we study 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  $(-\infty, \infty)$ .

7.

8. In the eighth part of the paper, we study 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  $(-\infty, \infty)$ .

9. In the ninth part of the paper, we study 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  $(-\infty, \infty)$ .

10.