

## 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	<input checked="" type="checkbox"/>	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			

Hobbs, New Mexico

Place

November 25, 1945

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

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

Neville G. Penrose, Inc. Hinton Well No. 6 in NW 1/4  
Company or Operator Lease  
of Sec. 12, T. 22S, R. 37E, N. M. P. M., Paddock Field,  
Lea County.

## FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

We cemented 5186' of 7" O.D. 23# J-55 casing at 5197' with 400 sacks. Total depth of hole is 5200'.

We propose to allow cement 48 hours in which to set, then go in hole with bit on tubing and drill cement out of casing to depth of 5180'. We will displace mud with water then pull tubing and gun perforate casing with 4 shots per foot from approximately a depth of 5150' to 5170'. We will swab hole and test natural then treat through perforations with 2000 gallons of 20% acid.

Approved NOV 25 1945, 19\_\_\_\_  
except as follows:

Neville G. Penrose, Inc.  
Company or Operator

By Charles P. MillerPosition Agent

Send communications regarding well to

Name Neville G. Penrose, Inc.,Address 1814 Fair BuildingFt. Worth, Texas.

OIL CONSERVATION COMMISSION,

By Roy YarbroughTitle Secretary

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt, \quad x \in \mathbb{R}.$$

It is shown that the function  $f(x)$  is strictly 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  $(-\frac{\pi}{2}, \frac{\pi}{2})$ .

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

$$g(x) = \int_0^x \frac{1}{1+t^4} dt, \quad x \in \mathbb{R}.$$

It is shown that the function  $g(x)$  is strictly 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  $(-\frac{\pi}{4}, \frac{\pi}{4})$ .

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

$$h(x) = \int_0^x \frac{1}{1+t^6} dt, \quad x \in \mathbb{R}.$$

It is shown that the function  $h(x)$  is strictly 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  $(-\frac{\pi}{6}, \frac{\pi}{6})$ .

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

$$k(x) = \int_0^x \frac{1}{1+t^8} dt, \quad x \in \mathbb{R}.$$

It is shown that the function  $k(x)$  is strictly 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  $(-\frac{\pi}{8}, \frac{\pi}{8})$ .

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

$$l(x) = \int_0^x \frac{1}{1+t^{10}} dt, \quad x \in \mathbb{R}.$$