

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

HOBBS OFFICE

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		Not ice of Intention to Set Casing	X

Monument, New Mexico

May 13, 1948

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 _____
Amerada Petroleum Corporation E. Wood Well No. 8 in NW 1/4 NE 1/4
 Company or Operator Lease
 of Sec. 22, T. 22S, R. 37E, N. M. P. M., Drinkard Field.
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

172' Total Depth, Red Bed. Finished drilling and reaming 17-1/4" hole at 4:30PM. We intend to set 13-3/8" OD, 48# Casing at approximately 165' and cement with 200 sx.

Approved _____
 sent as follows:

MAY 17 1948

Amerada Petroleum Corporation
 Company or Operator

By _____

Position Asst. Dist. Supt.

Send communications regarding well to

Name Amerada Petroleum Corporation

Address Drawer D, Monument, New Mexico

OIL CONSERVATION COMMISSION,

By _____

Title _____

GAS INSPECTOR

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 properties of this function are well known, but we shall study them in detail for the sake of completeness.

The second part of the paper is devoted to the study of the function

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

This function is also well known, but we shall study its properties in detail. It is known that $g(x)$ is an odd function, i.e. $g(-x) = -g(x)$.

The third part of the paper is devoted to the study of the function

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

This function is also well known, but we shall study its properties in detail. It is known that $h(x)$ is an odd function, i.e. $h(-x) = -h(x)$.

The fourth part of the paper is devoted to the study of the function

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

This function is also well known, but we shall study its properties in detail. It is known that $k(x)$ is an odd function, i.e. $k(-x) = -k(x)$.

The fifth part of the paper is devoted to the study of the function

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

This function is also well known, but we shall study its properties in detail. It is known that $l(x)$ is an odd function, i.e. $l(-x) = -l(x)$.

The sixth part of the paper is devoted to the study of the function

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

This function is also well known, but we shall study its properties in detail. It is known that $m(x)$ is an odd function, i.e. $m(-x) = -m(x)$.

The seventh part of the paper is devoted to the study of the function