

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	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS	<input type="checkbox"/>	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	<input type="checkbox"/>
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>	NOTICE OF INTENTION TO PLUG WELL	<input type="checkbox"/>
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>		<input type="checkbox"/>

Midland, Texas

January 11, 1945

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

Humble Oil & Refining Co., **New Mexico State Co** Well No. **2** in **SW/4** of **SW/4**
Company or Operator Lease
of Sec. **6**, T. **17-S**, R. **36-E**, N. M. P. M., **South Lovington** Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

SET CASING AS FOLLOWS

SIZE	WEIGHT	AMOUNT	SET AT	FORMATION	TOTAL DEPTH OF WELL	NO SACKS & MAKE CEMENT	PLUG ON BOTTOM.
10-3/4"	40.5	290'	303'	Red Beds	320'	210 Sack E1 Tore	10:00 AM 1-10-45

Halliburton Method Used.

Will test with 800#s cold water pressure and drill cement plug 1-12-45.

Approved _____, 19____
except as follows:

OIL CONSERVATION COMMISSION,
By Roy Yurkrough
Title _____

Humble Oil & Refining Company
Company or Operator

By J. W. House
Position **Division Superintendent.**
Send communications regarding well to

Name **J. W. House.**
Address **Box 1600, Midland, Texas**

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

$$f(x) = \int_0^x f(t) dt$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x)$ itself.

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

$$f(x) = \int_0^x f(t) dt + x$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x) + 1$.

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

$$f(x) = \int_0^x f(t) dt + x^2$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x) + 2x$.

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

$$f(x) = \int_0^x f(t) dt + x^3$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x) + 3x^2$. The function $f(x)$ is also shown to be a solution of the differential equation $y' = y + 3x^2$.

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

$$f(x) = \int_0^x f(t) dt + x^4$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x) + 4x^3$. The function $f(x)$ is also shown to be a solution of the differential equation $y' = y + 4x^3$.

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

$$f(x) = \int_0^x f(t) dt + x^5$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x) + 5x^4$. The function $f(x)$ is also shown to be a solution of the differential equation $y' = y + 5x^4$.

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

$$f(x) = \int_0^x f(t) dt + x^6$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x) + 6x^5$. The function $f(x)$ is also shown to be a solution of the differential equation $y' = y + 6x^5$.

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

$$f(x) = \int_0^x f(t) dt + x^7$$

It is shown that the function $f(x)$ is continuous and differentiable at every point x of the interval $[0, 1]$. The derivative of the function is equal to $f(x) + 7x^6$. The function $f(x)$ is also shown to be a solution of the differential equation $y' = y + 7x^6$.