

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 its 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	5 1/2"	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 June 1 1937.

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 _____

Gulf Oil Corp - Gypsy Divn. L. White Well No. #5 in NE/4
Company or Operator Lease
of Sec. 25, T. 20S, R. 36E, N. M. P. M., Emice Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

May 31, 1937 the 5 1/2" casing was cemented in Lime at 3724' with 150 sacks cement by the Halliburton Cementing process. 57 joints 5 1/2" 17# 10thd new South Chester lapweld steel casing on bottom, 77 joints 5 1/2" 17# 10thd new National SS casing Grade "C" on top.

Propose to drill plug and test at 330 PM June 2nd 1937.

RECEIVED

DUPLICATE

GULF OIL CORPORATION
GYPSY DIVISION

Approved JUN 3 1937, 19____
except as follows:

Company or Operator

By C. C. Cummings

Position District Supt.

Send communications regarding well to

Name C. C. Cummings.

Address Hobbs, New Mexico.

OIL CONSERVATION COMMISSION,

By Guy Shepard

Title Oil Conservation

1. The first part of the paper is devoted to the study of the

properties of the function

$f(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself. This property is characteristic of the exponential function.

2. In the second part of the paper, we consider the function

$g(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \cos \frac{x}{n}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

3. In the third part of the paper, we consider the function

$h(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \sin \frac{x}{n}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

4. In the fourth part of the paper, we consider the function

$i(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \cos \frac{x}{n^2}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

5. In the fifth part of the paper, we consider the function

$j(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \sin \frac{x}{n^2}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

6. In the sixth part of the paper, we consider the function

$k(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \cos \frac{x}{n^3}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

7. In the seventh part of the paper, we consider the function

$l(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \sin \frac{x}{n^3}$ which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

8. In the eighth part of the paper, we consider the function

$m(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \cos \frac{x}{n^4}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

9. In the ninth part of the paper, we consider the function

$n(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \sin \frac{x}{n^4}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

10. In the tenth part of the paper, we consider the function

$o(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \cos \frac{x}{n^5}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

11. In the eleventh part of the paper, we consider the function

$p(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \sin \frac{x}{n^5}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

12. In the twelfth part of the paper, we consider the function

$q(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \cos \frac{x}{n^6}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

13. In the thirteenth part of the paper, we consider the function

$r(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \sin \frac{x}{n^6}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

14. In the fourteenth part of the paper, we consider the function

$s(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \cos \frac{x}{n^7}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.

15. In the fifteenth part of the paper, we consider the function

$t(x) = \sum_{n=0}^{\infty} \frac{x^n}{n!} \sin \frac{x}{n^7}$

which is defined for all real values of x . It is shown that this function is continuous and differentiable for all x , and that its derivative is equal to itself.