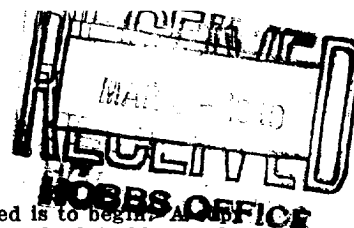


DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES



Submit this notice in triplicate to the Oil 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 Commissioner 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 5 1/2"	XX	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 DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

Hobbs, New Mexico

March 2, 1940

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 Corporation -**
Gypsy Prodn. Division **H. E. Cole "A" State** Well No. **3** in **NE SE**
Company or Operator Lease
of Sec. **18**, T. **22S**, R. **37E**, N. M. P. M., **Penrose** Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

March 1, 1940, the 5 1/2" OD 14# 10-thd. NEW S.S. Casing was cemented in line at 3549'5" with 250 sac 4% cement & 50 sac Neat cement by the Halliburton cementing process.

Propose to drill plug and test at 9:30 PM, March 3, 1940.

MAR 4 - 1940

Approved _____, 19____
except as follows:

Gulf Oil Corporation - Gypsy Prodn. Division

Company or Operator

By *C. C. Cummings*

Position **District Superintendent**

Send communications regarding well to

Name **C. C. Cummings.**

Address **Hobbs, New Mexico.**

OIL CONSERVATION COMMISSION,
By *Roy Yarrow*
Title **OIL & GAS INSPECTOR**

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

2. properties of the function $f(x)$ defined by

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

3. where a_n are the coefficients of the power series. It is shown that the function $f(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$f'(x) = f(x) + x f(x)^2$$

4. The second part of the paper is devoted to the study of the

5. properties of the function $g(x)$ defined by

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

6. where b_n are the coefficients of the power series. It is shown that the function $g(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$g'(x) = g(x) + x g(x)^2$$

7. The third part of the paper is devoted to the study of the

8. properties of the function $h(x)$ defined by

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

9. where c_n are the coefficients of the power series. It is shown that the function $h(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$h'(x) = h(x) + x h(x)^2$$

10. The fourth part of the paper is devoted to the study of the

11. properties of the function $k(x)$ defined by

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

12. where d_n are the coefficients of the power series. It is shown that the function $k(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$k'(x) = k(x) + x k(x)^2$$

13. The fifth part of the paper is devoted to the study of the

14. properties of the function $l(x)$ defined by

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

15. where e_n are the coefficients of the power series. It is shown that the function $l(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$l'(x) = l(x) + x l(x)^2$$

16. The sixth part of the paper is devoted to the study of the

17. properties of the function $m(x)$ defined by

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

18. where f_n are the coefficients of the power series. It is shown that the function $m(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$m'(x) = m(x) + x m(x)^2$$

19. The seventh part of the paper is devoted to the study of the

20. properties of the function $n(x)$ defined by

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

21. where g_n are the coefficients of the power series. It is shown that the function $n(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$n'(x) = n(x) + x n(x)^2$$

22. The eighth part of the paper is devoted to the study of the

23. properties of the function $o(x)$ defined by

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

24. where h_n are the coefficients of the power series. It is shown that the function $o(x)$ is analytic in the whole plane and that it satisfies the differential equation

$$o'(x) = o(x) + x o(x)^2$$

25. The ninth part of the paper is devoted to the study of the

26. properties of the function $p(x)$ defined by

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