

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

RECEIVED

JAN 25 1951

OIL CONSERVATION COMMISSION

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work 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			

Kermit, Texas

January 22, 1951

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 _____
Magnolia Petroleum Company New Mex. "A" Well No. 1 in SW/4
 Company or Operator _____ Lease _____
 of Sec. 32, T. 19-S, R. 27-E, N. M. P. M., Unnamed Field.
Eddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Set 8-5/8" OD casg. at 194 w/25 sax aquegel, casing will be tested for shut-off before plug is drilled.

FEB 9 1951

Approved _____, 19____
 except as follows:

Magnolia Petroleum Company

Company or Operator

By Magnolia Petroleum CompanyPosition Dist. Supt.

Send communications regarding well to

Name Magnolia Petroleum CompanyAddress Box 727, Kermit, Texas

OIL CONSERVATION COMMISSION,

By [Signature]Title OIL AND GAS INSPECTOR

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

properties of the function

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

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

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

which is a special case of the more general equation

$$f'(x) = f(x) + x f''(x) + \dots + x^n f^{(n+1)}(x)$$

where n is a natural number. The function $f(x)$ is called the n -th order Bessel function.

2. In the second part of the paper the properties of the function

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

are studied. It is shown that the function $g(x)$ is analytic in the whole plane and that it satisfies the differential equation

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

which is a special case of the more general equation

$$g'(x) = g(x) + x g''(x) + \dots + x^n g^{(n+1)}(x)$$

where n is a natural number. The function $g(x)$ is called the n -th order Bessel function.

3. In the third part of the paper the properties of the function

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

are studied.

4.

5. The last part of the paper is devoted to the study of the properties of the function

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

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

$$i'(x) = i(x) + x i''(x)$$

which is a special case of the more general equation

$$i'(x) = i(x) + x i''(x) + \dots + x^n i^{(n+1)}(x)$$