

NEW ? ICO OIL CONSERVATION COM. TION

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.

May 19th, 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 CORPORATION OF PENNSYLVANIA

GYPSY DIVISION

Bell-Ramsay

Well No. 8 in C Lot #12.

Company or Operator

Lease

of Sec. 4, T. 21a, R. 36a, N. M. P. M., Eunice. Field,

Lea

County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On May 18th, 1936 the 5-1/2" 17# 10thd New Lapweld Steel Casing was cemented in Line at 3680' W/300 Sax Cement by the Halliburton Cementing Process.

Propose to drill plug and test on May 21st, 1936.

DUPLICATE

Approved MAY 23 1936, 19
except as follows:

OIL CONSERVATION COMMISSION,

By

Title

Oil Conservation Inspector

GULF OIL CORPORATION OF PENNSYLVANIA

GYPSY DIVISION

Company or Operator

By

Position District Superintendent

Send communications regarding well to

Name C.C. Cummings.

Address Hobbs, New Mexico.

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Mathematical Analysis

Chapter 1: Introduction

The purpose of this course is to provide a rigorous foundation for the study of mathematical analysis. We will explore the properties of real numbers, limits, and functions, and their applications in various fields of science and engineering.

The course is divided into several sections, each focusing on a specific topic. The first section, "Real Numbers," introduces the fundamental properties of the real number system and the concept of limits.

The second section, "Limits," discusses the concept of limits and the properties of limit functions.

The third section, "Functions," introduces the concept of functions and their properties.

The fourth section, "Derivatives," discusses the concept of derivatives and their applications in physics and engineering.

The fifth section, "Integrals," discusses the concept of integrals and their applications in physics and engineering.

Chapter 2: Real Numbers

2.1. The Real Number System

2.2. Limits

The real number system is defined by the following properties: closure, associativity, commutativity, distributivity, and the existence of additive and multiplicative inverses.

The concept of limits is defined as follows: a function $f(x)$ has a limit L as x approaches a if for every $\epsilon > 0$, there exists a $\delta > 0$ such that $|f(x) - L| < \epsilon$ whenever $|x - a| < \delta$.

The properties of limit functions are: the limit of a sum is the sum of the limits, the limit of a product is the product of the limits, and the limit of a quotient is the quotient of the limits.

Chapter 3: Functions

3.1. The Definition of a Function

A function f from a set A to a set B is a rule that assigns to each element x in A a unique element $f(x)$ in B .

The domain of a function is the set of all elements x in A for which $f(x)$ is defined.

The range of a function is the set of all elements y in B for which there exists an x in A such that $f(x) = y$.

Chapter 4: Derivatives

The derivative of a function f at a point a is defined as the limit of the difference quotient $\frac{f(x) - f(a)}{x - a}$ as x approaches a .

The derivative of a function f at a point a is denoted by $f'(a)$.

The derivative of a function f at a point a is the slope of the tangent line to the graph of f at the point $(a, f(a))$.

The derivative of a function f at a point a is the rate of change of f at a .

The derivative of a function f at a point a is the limit of the difference quotient $\frac{f(x) - f(a)}{x - a}$ as x approaches a .

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