

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		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	X
NOTICE OF INTENTION TO DEEPEN WELL			

Artesia, New Mexico.

Place

January 2, 1944

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the Yates & McKee et al.

State Well No. 1 in SW 1/4 SE 1/4
Company or Operator Lease
of Sec. 13, T. 19 S., R. 29 E., N. M. P. M., Wildest Field,
Eddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Plan to fill hole from bottom of hole to top of water sand at 2022 feet. Then set bridge and run 10 sack cement plug. Then fill with heavy mud to base of salt at 1475 feet. Set bridge and run 10 sack cement plug. Then fill with heavy mud to top of salt at 400 feet. Set bridge and run 10 sack cement plug. Then fill with heavy mud to surface and set regulation marker in cement plug at surface.

Confirming conversation with Ray Miller.

Approved JAN 6 1945, 19____
except as follows:

APPROVAL CONDITIONED UPON
COMPLIANCE WITH REQUIREMENTS
OF OGC-WP-27

OIL CONSERVATION COMMISSION,
By Ray Younkraugh
Title _____

MARTIN YATES, JR.
Company or Operator
By Martin Yates Jr.
Position Partner
Send communications regarding well to
Name Martin Yates, Jr.
Address Box 397, Artesia, N. Mex.

THEORY OF THE EARTH AND ITS HISTORY

1. Introduction

2. The Earth's Structure

The Earth is a sphere with a radius of approximately 6,371 km. It is composed of several layers: the crust, the mantle, and the core. The crust is the outermost layer, followed by the mantle, and then the core.

The crust is divided into the continental crust and the oceanic crust.

The mantle is divided into the upper mantle and the lower mantle.

The core is divided into the outer core and the inner core.

The thickness of the crust varies from about 5 km under the ocean to about 70 km under the continents.

The thickness of the mantle is about 2,900 km.

The thickness of the core is about 3,480 km.

The density of the Earth increases with depth.

The density of the crust is about 2.7 g/cm³.

The density of the mantle is about 3.3 g/cm³.

The density of the core is about 11.0 g/cm³.

The temperature of the Earth increases with depth.

The temperature of the crust is about 500°C at the base.

The temperature of the mantle is about 1,000°C at the base.

The temperature of the core is about 5,000°C at the center.

The pressure of the Earth increases with depth.

The pressure of the crust is about 10,000 atm at the base.

The pressure of the mantle is about 1,000,000 atm at the base.

The pressure of the core is about 3,500,000 atm at the center.

The composition of the Earth is primarily silicon and oxygen.

The composition of the crust is primarily silicon and oxygen.

The composition of the mantle is primarily silicon and oxygen.

The composition of the core is primarily iron and nickel.

The composition of the outer core is primarily iron and nickel.

The composition of the inner core is primarily iron and nickel.

The composition of the Earth is primarily silicon and oxygen.

The composition of the crust is primarily silicon and oxygen.

The composition of the mantle is primarily silicon and oxygen.

The composition of the core is primarily iron and nickel.

The composition of the outer core is primarily iron and nickel.

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