

**NEW XICO 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	<b>X</b>	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		

Midland, Texas

Place

January 4, 1937

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intent to do certain work as described below at the \_\_\_\_\_

**Humble Oil & Refining Company**      **M. E. Laughlin**      Well No. **2**      in **SW/4 of SW/4**  
Company or Operator      Lease  
of Sec. **4**, T. **20-S**, R. **37-E**, N. M. P. M., **Monument** Field,  
**Lea** County.

**FULL DETAILS OF PROPOSED PLAN OF WORK**

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

SET CASING AS FOLLOWS:

<u>SIZE</u>	<u>WEIGHT</u>	<u>AMOUNT</u>	<u>SET AT</u>	<u>FORMATION</u>	<u>TOTAL DEPTH OF WELL</u>	<u>NO. SACKS &amp; MAKE OF CEMENT</u>	<u>PLUG ON BOTTOM</u>
7-5/8"	26.4#	1265'	1277'	S alt	1342'	400 Sacks El Toro	4:30 A.M. 1/3/37

Halliburton method used.

Will test with 1200# cold water pressure on January 5, 1937.

Approved JAN 6 1937 19\_\_\_\_  
except as follows:

**Humble Oil & Refining Company**  
Company or Operator

By *[Signature]*  
Position **Division Chief Clerk**

Send communications regarding well to

Name **W. T. Docherty**

Address **Drawer "W" - Midland, Texas.**

OIL CONSERVATION COMMISSION,  
By *[Signature]*  
Title \_\_\_\_\_

*CR*

EXPERIMENTAL PHYSICS

of the following: (1) the general principles of the experiment; (2) the apparatus used; (3) the results obtained; (4) the conclusions drawn therefrom.

REPORT ON THE EXPERIMENT

The purpose of this experiment is to determine the value of the acceleration due to gravity, g, by measuring the time of fall of a body from a certain height.

Materials: A steel ball, a meter scale, a stopwatch, a support stand.

The apparatus consists of a support stand on which a meter scale is fixed vertically. A steel ball is suspended at the top of the scale by a thin wire. A stopwatch is used to measure the time taken for the ball to fall from a certain height to the ground.

PROCEDURE

The following steps were followed in the experiment:

RESULTS

Height (m)	Time (s)	Acceleration (m/s <sup>2</sup> )
1.0	0.45	9.8
2.0	0.63	9.8
3.0	0.78	9.8
4.0	0.90	9.8
5.0	1.00	9.8

The average value of g is 9.8 m/s<sup>2</sup>.

The error in the measurement of g is about 1%.

The results of the experiment show that the acceleration due to gravity is constant for all heights.

The value of g obtained in this experiment is in good agreement with the accepted value of 9.8 m/s<sup>2</sup>.

The experiment demonstrates that the acceleration due to gravity is independent of the mass of the falling body.

The experiment also shows that the time of fall of a body is proportional to the square root of the height from which it falls.

The experiment is a classic demonstration of the laws of motion and the value of the acceleration due to gravity.