

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			

Hobbs, N. Mex.

Place

April 4, 1938,

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Samedan Oil Corp.

Company or Operator

Marshall

Lease

Well No. 1 in NW 1/4

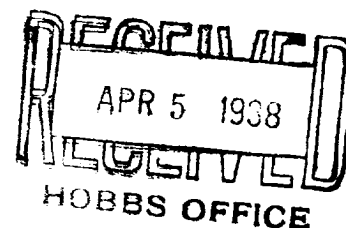
of Sec. 12, T. 21S, R. 36E, N. M. P. M., Eulice Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Notice of Intention to Plug well described above on or
about April 8th, 1938,

Plan to fill hole with mud to 3709'
 " " " " " Cement Plug 3689'
 " " " " " Mud to 2477
 " " " " " Cement plug 2457
 " " " " " Mud 1383
 " " " " " Cement Plug 1363
 " " " " " Mud 257
 " " " " " Cement Plug 237
 " " " " " Mud 20



Cement to surface with 4"X 4' Steel Marker

Approved APR 5 1938, 19
except as follows:

Samedan Oil Corp.

Company or Operator

By

Position

Send communications regarding well to

Name Samedan Oil Corp.

Address Box 1637, Hobbs, N. Mex.

OIL CONSERVATION COMMISSION,

By

Guy Shepard
Oil & Gas Inspector

Title

PROBLEM 1

Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying the functional equation

$$f(x+y) = f(x) + f(y) \quad \text{for all } x, y \in \mathbb{R}.$$

Suppose that f is continuous at 0 . Prove that f is linear, i.e., there exists a constant $c \in \mathbb{R}$ such that $f(x) = cx$ for all $x \in \mathbb{R}$.

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