

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
MAY 11 1937

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	7 5/8"	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico May 6th 1937.

Place Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____

Gulf Oil Corpn - Gypsy Divn - L. White Well No. #4 in the _____

Company or Operator

Lease

SE/4 of Sec. 25, T. 20S, R. 36E, N. M. P. M.,

Junice Field, Lea. County.

The dates of this work were as follows: Cemented May 3rd 1937 Tested May 5th 1937

Notice of intention to do the work was [~~was not~~] submitted on Form C-102 on May 4 1937

and approval of the proposed plan was [~~was not~~] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

The hole was washed down the casing tested with 1200# pressure applied for 30 mins., the plug drilled and the hole tested with 1200# pressure applied for 30 mins.; both tests were OK and after approval of Mr Shepard State Oil & Gas inspector, preparations were made to drill ahead.

DUPLICATE

Witnessed by Charley Taylor Gulf Foreman.
R. B. Wooster Drig Supt. Loffland Bros.
Name Company Title

Subscribed and sworn before me this _____

7th day of May, 19 37

[Signature]
Notary Public

My commission expires Feb 8 1941

I hereby swear or affirm that the information given above is true and correct.

Name [Signature]

Position District Supt.

Representing Gulf Oil Corpn - Gypsy Divn.
Company or Operator

Address Hobbs, New Mexico.

Remarks:

CR

[Signature]
Inspector Name
Oil Conservation Commission
HOBBS, NEW MEXICO
Title

MAY 11 1937

THE UNIVERSITY OF CHICAGO

Department of Mathematics

PROBLEM SET 1

1. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y)$ for all $x, y \in \mathbb{R}$. Show that $f(x) = cx$ for some constant $c \in \mathbb{R}$.

2. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x)f(y)$ for all $x, y \in \mathbb{R}$.

(a) Show that $f(x) = e^{cx}$ for some constant $c \in \mathbb{R}$.
(b) Show that $f(x) = 0$ for all $x \in \mathbb{R}$ is also a solution.

3. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y) + f(x)y$ for all $x, y \in \mathbb{R}$. Show that $f(x) = \frac{1}{2}x^2 + cx$ for some constant $c \in \mathbb{R}$.

4. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y) + f(x)f(y)$ for all $x, y \in \mathbb{R}$. Show that $f(x) = \frac{e^{cx} - 1}{c}$ for some constant $c \in \mathbb{R}$.

PROBLEM SET 2

1. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y) + f(x)f(y)$ for all $x, y \in \mathbb{R}$. Show that $f(x) = \frac{e^{cx} - 1}{c}$ for some constant $c \in \mathbb{R}$.

2. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y) + f(x)f(y)$ for all $x, y \in \mathbb{R}$. Show that $f(x) = \frac{e^{cx} - 1}{c}$ for some constant $c \in \mathbb{R}$.

3. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y) + f(x)f(y)$ for all $x, y \in \mathbb{R}$. Show that $f(x) = \frac{e^{cx} - 1}{c}$ for some constant $c \in \mathbb{R}$.

4. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y) + f(x)f(y)$ for all $x, y \in \mathbb{R}$. Show that $f(x) = \frac{e^{cx} - 1}{c}$ for some constant $c \in \mathbb{R}$.

5. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be a function satisfying $f(x+y) = f(x) + f(y) + f(x)f(y)$ for all $x, y \in \mathbb{R}$. Show that $f(x) = \frac{e^{cx} - 1}{c}$ for some constant $c \in \mathbb{R}$.