

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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	XXXX	REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico December 7th., 1936

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 Corp - Gypsy Division - L. White Well No. **#1** in the _____
 _____ Company or Operator _____ Lease _____
SE/4 of Sec. **25**, T. **20**, R. **36**, N. M. P. M.,
Eunice Field, **Lea** County.

The dates of this work were as follows: _____

Notice of intention to do the work was [was not] submitted on Form C-102 on _____ 19____
 and approval of the proposed plan was [was not] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

12-5-1936 acidized with 1,000 gallons

Test before acid - None. Swabbed down

Test After acid - 42 1/2 barrels oil in 6 hours, first hour 7 barrels with 2,217,000 gas.

Witnessed by Clyde Thompson	Chemical Process Gulf	Treater. Sub foreman.
Name	Company	Title

Subscribed and sworn before me this _____

7 day of **December**, 19 **36**
Patricia Mahoney
 Notary Public

My commission expires **Oct 24, 1938**
 9

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

Name *CC Cummings*
 Position **District Supt.**
 Representing **Gulf Oil Corp - Gypsy Division.**
 Company or Operator
 Address **Hobbs, New Mexico.**

Remarks:

Title

1 CR

Introduction to the Theory of Groups

1.1. Definition of a Group

A group is a set G equipped with a binary operation \cdot satisfying the following axioms:

- Associativity: $(a \cdot b) \cdot c = a \cdot (b \cdot c)$ for all $a, b, c \in G$.
- Identity: There exists an element $e \in G$ such that $e \cdot a = a \cdot e = a$ for all $a \in G$.
- Inverses: For every $a \in G$, there exists an element $a^{-1} \in G$ such that $a \cdot a^{-1} = a^{-1} \cdot a = e$.

1.2. Examples of Groups

• The set of integers \mathbb{Z} under addition $+$ is a group.

• The set of non-zero real numbers \mathbb{R}^* under multiplication \cdot is a group.

• The set of permutations of a finite set S is a group.

1.3.

• The set of all functions from a set X to a group G is a group under pointwise multiplication.

1.4.

• The set of all $n \times n$ matrices over a field F is a group under multiplication if and only if $n = 1$.

• The set of all $n \times n$ matrices over a field F is a group under addition.

• The set of all $n \times n$ matrices over a field F is a group under scalar multiplication.

• The set of all $n \times n$ matrices over a field F is a group under matrix multiplication.

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