

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	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico

Place

June 27, 1937

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 _____

Repollo Oil Company

J. R. Phillips "B"

Well No. 4 in the _____

Company or Operator

Lease

NW/4

of Sec. 31

T. 193

R. 37E

N. M. P. M.,

Monument

Field, La

County.

The dates of this work were as follows: 6/23/37

Notice of intention to do the work was [] submitted on Form C-102 on 6/23/37 19____

and approval of the proposed plan was [] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 7"OD Casing set at a depth of 3833' on June 23rd. Tested with 1200# pump pressure for 30 minutes with all valves closed. Tested satisfactory

DUPLICATE

Witnessed by Mr. H. Jewell Name M. J. Delaney Co. Company Title

Subscribed and sworn to before me this 27th

day of June

19 37

Patricia Mahoney
Notary Public

My Commission expires 10-24-39

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

Name L. Sued

Position Dist. Supt.

Representing Repollo Oil Co.

Company or Operator

Address Hobbs, N. M.

Remarks:

Guy Shepard
Name
Oil & Gas Inspector

JUL 14 1937

1. Introduction

The purpose of this study is to investigate the effects of various factors on the performance of the system. The study is divided into two main parts: a theoretical analysis and an experimental investigation.

2. Theoretical Analysis

In the theoretical part, we will analyze the system's performance based on the principles of thermodynamics and fluid mechanics. We will consider the energy balance and the flow characteristics of the system.

The theoretical analysis will be followed by an experimental investigation. The experimental setup will be described in detail, and the results will be compared with the theoretical predictions.

The experimental results will be used to validate the theoretical model and to identify the factors that have the most significant impact on the system's performance.

The study will conclude with a summary of the findings and a discussion of the implications for the design and operation of the system.

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The experimental results show that the system's performance is highly sensitive to the inlet temperature and the flow rate. The theoretical model provides a good approximation of the experimental results, but it is necessary to take into account the effects of the system's geometry and the properties of the working fluid.