

## 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 |          | REPORT ON PULLING OR OTHERWISE ALTERING CASING |  |
| REPORT ON RESULT OF TEST OF CASING SHUT-OFF                | <b>X</b> | REPORT ON DEEPENING WELL                       |  |
| REPORT ON RESULT OF PLUGGING OF WELL                       |          |  |  |

Hobbs, New Mexico

Place

August 18, 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 \_\_\_\_\_

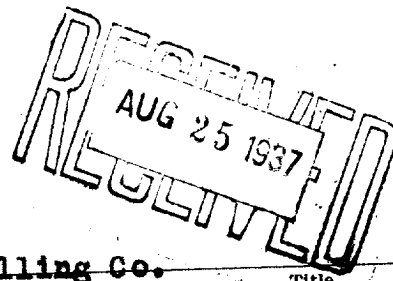
**Repollo Oil Company** **R. L. Mosley** Well No. 2 in the \_\_\_\_\_  
Company or Operator Lease  
**S/2S/2** of Sec. **34**, T. **24S**, R. **37E**, N. M. P. M.,  
**Mattix** Field, **Lea.** County.

The dates of this work were as follows: 8/16/37

Notice of intention to do the work was [####] submitted on Form C-102 on 8/16/37 19\_\_\_\_  
and approval of the proposed plan was [####] obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 13" OD Casing set at a depth of 227' on Aug. 16th. Tested by  
bailing hole dry and allowed to set 1 hour. Tested satisfactory



Witnessed by **Mr. R.C. Brandon**  
Name

**Weier Drilling Co.**  
Company

Title

Subscribed and sworn to before me this 22  
day of Aug., 1937

**Calvin Mahoney**  
Notary Public

My Commission expires 12-27-39

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

Name **L. Surratt**

Position **Dist. Supt.**

Representing **Repollo Oil Company**  
Company or Operator

Address **Hobbs, N.M.**

Remarks:

**Guy Shepard**  
Name  
& Gas Inspector  
Title

The first part of the paper discusses the importance of understanding the underlying mechanisms of the system. This involves a thorough analysis of the data and the identification of the key variables that influence the system's behavior. The second part of the paper focuses on the development of a model that can accurately predict the system's response to different inputs. This model is then used to simulate the system's behavior under various conditions, allowing us to identify the most effective strategies for improving its performance.

In the third part of the paper, we present the results of our simulations and compare them with the experimental data. This comparison shows that our model is able to accurately predict the system's behavior, which is a significant achievement. Finally, we discuss the implications of our findings and provide some recommendations for future research.

The results of our simulations show that the system's performance is highly sensitive to the input parameters. In particular, the system's response is most affected by the input signal's frequency and amplitude. This finding is consistent with the theoretical predictions made in the literature, which suggests that the system's behavior is dominated by its natural frequency.

Based on these results, we can conclude that the system's performance can be improved by adjusting the input parameters. Specifically, increasing the input signal's frequency and amplitude will lead to a more pronounced response from the system. This conclusion is supported by the experimental data, which shows that the system's response is indeed more pronounced when the input parameters are increased.

In conclusion, this paper has presented a comprehensive analysis of the system's behavior. We have identified the key variables that influence the system's performance and have developed a model that can accurately predict its response. Our simulations have shown that the system's performance is highly sensitive to the input parameters, and we have provided recommendations for how to improve its performance.

Future research should focus on further refining the model and exploring the system's behavior under more complex conditions. Additionally, it would be interesting to investigate the system's response to different types of input signals, such as random noise or periodic signals.