

TRIPPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
APR 15 1940
HOBBS OFFICE

MISCELLANEOUS REPORTS ON WELL

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-offs, 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 | X | 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 | | | |

Midland, Texas

April 15, 1940

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

Place

Date

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

Humble Oil & Refining Company N. M. State "K" Well No. 16 in the

Company or Operator Lease
Center of SW/4 of NE/4 32 of Sec. 17-S, T. 17-S, R. 35-E, N. M. P. M.,
Vacuum Field, Lea County

The dates of this work were as follows: April 8, 1940

Notice of intention to do the work was ~~received~~ submitted on Form C-102 on April 8th 1940
and approval of the proposed plan was ~~received~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Treated well with 2000 gallons Halliburton Acid in line formation from 4300' to 4650'. Swabbed out acid load. Well swabbed 15 bbls. oil per hour. Well flowed at rate of 12.5 bbls. per hour or a total of 75 bbls. for the six hour test through 7/8" choke, or a total of 300 bbls. oil per day. Daily gas volume 220 MCF. Gas-oil ratio 734. BSAW 5/10 of 1%. Gravity 38.3

Witnessed by No witness necessary

| Name | Company | Title |
|------|---------|-------|
|------|---------|-------|

Subscribed and sworn to before me this

15th day of April, 1940

Willie Mae Ferguson
Notary Public

My Commission expires June 1st, 1941

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

Name Ray Sawney

Position Division Chief Clerk

Representing Humble Oil & Refining Company
Company or Operator

Address Box 1600 - Midland, Texas

Remarks:

Ray Sawney
Name
OIL & GAS INSPECTOR
Title

Appendix A: Data Collection and Analysis

A.1 Data Collection

The data for this study were collected from a series of experiments conducted over a period of six months. The experiments were designed to investigate the effects of various factors on the performance of the system. The factors included the type of input data, the complexity of the task, and the amount of time available for processing. The performance was measured in terms of the number of errors made and the time taken to complete the task.

A.2 Data Analysis

The data were analyzed using a series of statistical tests. The first test was a t-test, which was used to compare the mean performance across different conditions. The second test was an ANOVA, which was used to determine the significance of the differences between the groups. The third test was a regression analysis, which was used to model the relationship between the input variables and the output variable. The results of the analysis are presented in the following tables.

Table 1: Mean Performance across Conditions

| Condition | Mean Performance | Standard Deviation |
|-------------------|------------------|--------------------|
| Low Complexity | 1.2 | 0.3 |
| Medium Complexity | 1.5 | 0.4 |
| High Complexity | 1.8 | 0.5 |

A.3 Results

The results of the analysis show that the performance of the system is significantly affected by the complexity of the task. The mean performance increases as the complexity of the task increases, and the standard deviation also increases. The regression analysis shows that the relationship between the input variables and the output variable is non-linear. The results of the analysis are presented in the following tables.

Table 2: Regression Analysis Results

| Variable | Coefficient | Standard Error |
|----------|-------------|----------------|
| Input 1 | 0.5 | 0.1 |
| Input 2 | 0.3 | 0.1 |
| Input 3 | 0.2 | 0.1 |

A.4 Conclusion

The results of the analysis show that the performance of the system is significantly affected by the complexity of the task. The mean performance increases as the complexity of the task increases, and the standard deviation also increases. The regression analysis shows that the relationship between the input variables and the output variable is non-linear. The results of the analysis are presented in the following tables.