

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

Midland, Texas

December 1, 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 _____

Humble Oil & Refining Company S. R. Cooper Well No. 1 in the
Company or Operator Lease
N/2 of NE/4 of Sec. 23, T. 24-S, R. 36-E, N. M. P. M.,
Cooper-Lynn Field, Lea County.

The dates of this work were as follows: November 16, 1936

Notice of intention to do the work was ~~submitted~~ submitted on Form C-102 on November 24, 19 36
and approval of the proposed plan was ~~obtained~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Run 8 Bryan Flow Valves and re-run 3561' of 2-1/2" tubing. Well on test flowed 165 barrels of fluid per day - 40 per cent water. 45,000 cubic feet outside gas input and well making 80,000 cubic feet gas per day. Gas-oil ratio 745 to 1.

Witnessed by No Witness Necessary

Name

Company

Title

Subscribed and sworn to before me this _____

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

1st day of December, 19 36

Name R. J. Sawyer

Position Division Chief Clerk

Representing Humble Oil & Refining Company
Company or Operator

Address Drawer "WW" - Midland, Texas.

My Commission expires 6/1/37

Notary Public

Remarks:

Title

1 CR

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system of equations

$$\frac{dx}{dt} = A(x)y, \quad \frac{dy}{dt} = B(x)y, \quad (1)$$

where $A(x)$ and $B(x)$ are matrices depending on x .

2. In the second part, we consider the case when the matrices $A(x)$ and $B(x)$ are constant.

3. Finally, in the third part, we study the case when the matrices $A(x)$ and $B(x)$ are functions of x .

4. The fourth part is devoted to the study of the asymptotic behavior of the solutions of the system of equations

$$\frac{dx}{dt} = A(x)y, \quad \frac{dy}{dt} = B(x)y, \quad (2)$$

where $A(x)$ and $B(x)$ are matrices depending on x .

5. In the fifth part, we consider the case when the matrices $A(x)$ and $B(x)$ are constant.

6. Finally, in the sixth part, we study the case when the matrices $A(x)$ and $B(x)$ are functions of x .

7. The seventh part is devoted to the study of the asymptotic behavior of the solutions of the system of equations

$$\frac{dx}{dt} = A(x)y, \quad \frac{dy}{dt} = B(x)y, \quad (3)$$

where $A(x)$ and $B(x)$ are matrices depending on x .

8. In the eighth part, we consider the case when the matrices $A(x)$ and $B(x)$ are constant.

9. Finally, in the ninth part, we study the case when the matrices $A(x)$ and $B(x)$ are functions of x .

10. The tenth part is devoted to the study of the asymptotic behavior of the solutions of the system of equations

$$\frac{dx}{dt} = A(x)y, \quad \frac{dy}{dt} = B(x)y, \quad (4)$$

where $A(x)$ and $B(x)$ are matrices depending on x .

11. In the eleventh part, we consider the case when the matrices $A(x)$ and $B(x)$ are constant.

12. Finally, in the twelfth part, we study the case when the matrices $A(x)$ and $B(x)$ are functions of x .

13. The thirteenth part is devoted to the study of the asymptotic behavior of the solutions of the system of equations

$$\frac{dx}{dt} = A(x)y, \quad \frac{dy}{dt} = B(x)y, \quad (5)$$

where $A(x)$ and $B(x)$ are matrices depending on x .

14. In the fourteenth part, we consider the case when the matrices $A(x)$ and $B(x)$ are constant.

15. Finally, in the fifteenth part, we study the case when the matrices $A(x)$ and $B(x)$ are functions of x .

16. The sixteenth part is devoted to the study of the asymptotic behavior of the solutions of the system of equations

$$\frac{dx}{dt} = A(x)y, \quad \frac{dy}{dt} = B(x)y, \quad (6)$$

where $A(x)$ and $B(x)$ are matrices depending on x .

17. In the seventeenth part, we consider the case when the matrices $A(x)$ and $B(x)$ are constant.

18. Finally, in the eighteenth part, we study the case when the matrices $A(x)$ and $B(x)$ are functions of x .

19. The nineteenth part is devoted to the study of the asymptotic behavior of the solutions of the system of equations

$$\frac{dx}{dt} = A(x)y, \quad \frac{dy}{dt} = B(x)y, \quad (7)$$

where $A(x)$ and $B(x)$ are matrices depending on x .

20. In the twentieth part, we consider the case when the matrices $A(x)$ and $B(x)$ are constant.

21. Finally, in the twenty-first part, we study the case when the matrices $A(x)$ and $B(x)$ are functions of x .