

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

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		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		Report of cement circulation	X

Hobbs, New Mexico

Place

5-27-39

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

DUPLICATE

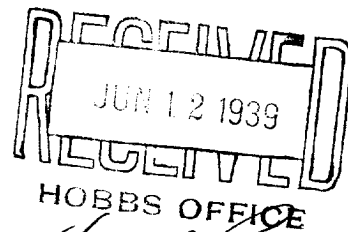
Shell Oil Company, Inc. State N.M. Well No. 2 in the
SE/4 of Sec. 33, T. 17S, R. 35E, N. M. P. M.,
Vacuum Field, Lea County

The dates of this work were as follows: 8-5/8" casing cemented 5-23-39

Notice of intention to do the work was ~~(was not)~~ submitted on Form C-101 on 5-20 19 39
and approval of the proposed plan was ~~(was not)~~ obtained. (Cross out incorrect words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

8-5/8" OD casing is the first string to be cemented in this well. It was landed 28 feet in Anhydrite formation at a depth of 1571. 650 sacks of cement were used and circulation of cement obtained.



Witnessed by

W. H. Redding Shell Oil Co., Inc. Head Representative
Name Company Title

Subscribed and sworn to before me this

7th

day of

June

19

39

Notary Public

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

Name

E. H. Kinney

Position

Representing District Superintendent

Company or Operator

Address

Shell Oil Company, Inc.

My Commission expires

6-1-41

Remarks:

Dr. 1457 Hobbs, N. Mex.Ray Garbrough

Name

OIL & GAS INSPECTOR

Title

1. The first part of the paper is devoted to a general discussion of the problem of the existence of a solution of the system of equations

$$\begin{aligned} \frac{dx}{dt} &= f(x, y, z, t) \\ \frac{dy}{dt} &= g(x, y, z, t) \\ \frac{dz}{dt} &= h(x, y, z, t) \end{aligned}$$

where f, g, h are continuous functions of x, y, z, t and satisfy certain conditions. The second part of the paper is devoted to a detailed study of the case when the functions f, g, h are linear.

2. In the second part of the paper, we consider the case when the functions f, g, h are linear. We show that in this case the system of equations can be solved explicitly.

3. In the third part of the paper, we consider the case when the functions f, g, h are nonlinear. We show that in this case the system of equations can be solved numerically.

4. In the fourth part of the paper, we consider the case when the functions f, g, h are nonlinear and the system of equations is stiff. We show that in this case the system of equations can be solved using a special numerical method.

5. In the fifth part of the paper, we consider the case when the functions f, g, h are nonlinear and the system of equations is stiff. We show that in this case the system of equations can be solved using a special numerical method.

6. In the sixth part of the paper, we consider the case when the functions f, g, h are nonlinear and the system of equations is stiff. We show that in this case the system of equations can be solved using a special numerical method.

7. In the seventh part of the paper, we consider the case when the functions f, g, h are nonlinear and the system of equations is stiff. We show that in this case the system of equations can be solved using a special numerical method.

8. In the eighth part of the paper, we consider the case when the functions f, g, h are nonlinear and the system of equations is stiff. We show that in this case the system of equations can be solved using a special numerical method.

9. In the ninth part of the paper, we consider the case when the functions f, g, h are nonlinear and the system of equations is stiff. We show that in this case the system of equations can be solved using a special numerical method.