

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

April 20, 1936

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  
Skelly Oil Company Company or Operator A. L. Christmas Well No. 1 in the

CSW/4, SW/4

of Sec. 25, T. 19, R. 36

Monument Field,

Lea, N. M. P. M.,

Lea County.

The dates of this work were as follows: April 14, 1936

Notice of intention to do the work was (~~XXXXX~~) submitted on Form C-102 on April 13 19 36  
and approval of the proposed plan was (~~XXXXX~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Shot well with 200 quarts of S.N.G. Used A. G. Double Time Bomb, tamped shot with 1/2 yard gravel, and loaded hole with oil. Shot exploded as scheduled at 5 P.M. April 14. Hole temporarily bridged, then at 7 P.M. well flowed and cleaned self, flowing 102 bbls in 24 hour production test. Depth shot from 3942' to 3837'.

Witnessed by C. J. Woodroof  
Name

Davidson Drilling Company  
Company

**DUPLICATE**

Superintendent  
Title

Subscribed and sworn to before me this 21

day of April, 1936

Patricia Mahoney  
Notary Public

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

Name J. M. Dineen

Position District Superintendent

Representing Skelly Oil Company  
Company or Operator

Address Drawer "D", Hobbs, New Mexico

My Commission expires 10-24-39

Remarks:

APPROVED  
[Signature]  
Oil & Gas Inspector

Name

Title

## MINI-RESEARCH PROJECT

The purpose of this project is to investigate the effect of the concentration of a solution on the rate of a chemical reaction. The reaction chosen for this study is the reaction between hydrogen peroxide and potassium iodide, catalyzed by a small amount of manganese(II) sulfate.

The reaction is as follows:

$$2\text{H}_2\text{O}_2 \rightarrow 2\text{H}_2\text{O} + \text{O}_2$$

The rate of reaction is measured by the volume of oxygen gas evolved over a fixed period of time.

The following table shows the results of the experiment for different concentrations of hydrogen peroxide.

Concentration of  $\text{H}_2\text{O}_2$  (M) | Volume of  $\text{O}_2$  (ml) | Time (s)

0.1 | 10 | 120

0.2 | 20 | 60

0.3 | 30 | 40

0.4 | 40 | 30

0.5 | 50 | 24

0.6 | 60 | 20

0.7 | 70 | 18

0.8 | 80 | 16

0.9 | 90 | 15

1.0 | 100 | 14

1.1 | 110 | 13

1.2 | 120 | 12

1.3 | 130 | 11

1.4 | 140 | 10

1.5 | 150 | 9

1.6 | 160 | 8

1.7 | 170 | 7

1.8 | 180 | 6

1.9 | 190 | 5

2.0 | 200 | 4

2.1 | 210 | 3

2.2 | 220 | 2

2.3 | 230 | 1

2.4 | 240 | 1

2.5 | 250 | 1

2.6 | 260 | 1

2.7 | 270 | 1