



THE 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	<input checked="" type="checkbox"/>	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			

Hobbs N.M.
Place

June July 5 1945
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

Taylor, Powell & Wallrich, S.M.A. Page Well No. 1 in the
Company or Operator Lease

SW 1 NE 1 of Sec. 26, T. 24S, R. 34E, N. M. P. M.,
Ochoa Field, LEA County.

The dates of this work were as follows: Location made, pits dug and well spudded.

Notice of intention to do the work was ~~(was not)~~ submitted on Form C-102 on July 5th 1945 19

and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Location surveyed, and pit sufficient to hold drilling slush was made, and the well spudded to depth of more than three feet, on June 29th 1945.

Witnessed by Taylor, Powell & Wallrich.
Name Company Title

Subscribed and sworn before me this 5th day

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

day of July, 19 45

Name W. J. Powell

Position _____

Representing _____

Company or Operator

My commission expires Nov. 8 1948

Address _____

Remarks:

Ray Yarbrough
Name
Oil & Gas Inspector
Title

CONFIDENTIAL

EXPERIMENTAL DATA

CONFIDENTIAL

The following data were obtained from the experiment conducted on the 15th of May, 1964, at the University of California, Los Angeles. The experiment was designed to determine the effect of the concentration of the reactants on the rate of the reaction.

The reaction was carried out in a 250 ml. Erlenmeyer flask equipped with a magnetic stirrer. The reactants were weighed out to the nearest 0.001 g. and dissolved in distilled water. The total volume of the solution was made up to 100 ml. with distilled water. The reaction was initiated by the addition of a catalyst. The time taken for the reaction to reach completion was determined by the appearance of a color change. The rate of the reaction was calculated from the time taken for the reaction to reach completion.

The results of the experiment are shown in the table below. The concentration of the reactants was varied by changing the volume of the reactants and the volume of the solvent. The rate of the reaction was determined by the time taken for the reaction to reach completion. The rate of the reaction was found to increase with increasing concentration of the reactants. The rate of the reaction was found to be independent of the concentration of the solvent.

Concentration of Reactants	Time taken for reaction to reach completion (sec)	Rate of reaction (1/time)
0.1 M	120	0.0083
0.2 M	60	0.0167
0.3 M	40	0.0250
0.4 M	30	0.0333
0.5 M	24	0.0417

The results of the experiment show that the rate of the reaction increases with increasing concentration of the reactants. The rate of the reaction was found to be independent of the concentration of the solvent. This is consistent with the proposed mechanism for the reaction, which involves a bimolecular reaction between the reactants.

The experiment was conducted under the following conditions: temperature 25°C, pressure 1 atm, and catalyst concentration 0.01 M. The reactants were weighed out to the nearest 0.001 g. and dissolved in distilled water. The total volume of the solution was made up to 100 ml. with distilled water. The reaction was initiated by the addition of a catalyst. The time taken for the reaction to reach completion was determined by the appearance of a color change. The rate of the reaction was calculated from the time taken for the reaction to reach completion.