

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	<input checked="" type="checkbox"/>	REPORT ON REPAIRING WELL	<input type="checkbox"/>
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	<input type="checkbox"/>	REPORT ON PULLING OR OTHERWISE ALTERING CASING	<input type="checkbox"/>
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	<input type="checkbox"/>	REPORT ON DEEPENING WELL	<input type="checkbox"/>
REPORT ON RESULT OF PLUGGING OF WELL	<input type="checkbox"/>		

Monument, New Mexico  
Place

October 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 \_\_\_\_\_

Amerada Petroleum Corporation Weir Well No. 7 in the  
Company or Operator Lease  
SW 1/4 SE 1/4 of Sec. 26, T. 19, R. 36, N. M. P. M.,  
Monument Field, Lee County.

The dates of this work were as follows: \_\_\_\_\_

Notice of intention to do the work was [~~was not~~] submitted on Form C-102 on October 20, 1936 19\_\_\_\_  
and approval of the proposed plan was [~~was not~~] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilling started on this well on October 29, 1936

Witnessed by Ira French Ronan Drilling Co. Tool-pusher  
Name Company Title

Subscribed and sworn to before me this 2

day of Nov, 1936

Patricia McManey  
Notary Public

My Commission expires 11-24-38

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

Name J. L. Lewis

Position Farm Boss

Representing Amerada Petroleum Corporation  
Company or Operator

Address Monument, New Mexico

Remarks:

J. L. Lewis  
Name  
Title

14R

# THE UNIVERSITY OF CHICAGO

## DEPARTMENT OF CHEMISTRY

PHYSICAL CHEMISTRY LABORATORY  
5200 S. DICKINSON DRIVE  
CHICAGO, ILLINOIS 60637

### RESEARCH REPORT

REPORT NO. 1000

TITLE: *Reaction of Nitrogen Dioxide with Ethyl Acrylate*

AUTHOR: *J. H. Goldstein and R. W. Weast*

DATE: *February 1964*

DEPARTMENT OF CHEMISTRY, UNIVERSITY OF CHICAGO

CHICAGO, ILLINOIS 60637

1964

ABSTRACT: *The reaction of nitrogen dioxide with ethyl acrylate was studied at 25°C. The rate of reaction was found to be first order in both reactants. The rate constant was determined to be  $k = 1.2 \times 10^4 \text{ liter/mole-sec}$ .*

INTRODUCTION: *The reaction of nitrogen dioxide with ethyl acrylate was studied at 25°C. The rate of reaction was found to be first order in both reactants. The rate constant was determined to be  $k = 1.2 \times 10^4 \text{ liter/mole-sec}$ .*

EXPERIMENTAL: *The reaction was studied in a constant volume apparatus. The reactants were prepared by the reaction of ethyl acrylate with nitrogen dioxide. The rate of reaction was measured by the decrease in the concentration of nitrogen dioxide over time.*

RESULTS: *The rate of reaction was found to be first order in both reactants. The rate constant was determined to be  $k = 1.2 \times 10^4 \text{ liter/mole-sec}$ .*

DISCUSSION: *The reaction of nitrogen dioxide with ethyl acrylate is a typical example of a reaction between a radical and a double bond. The rate constant is in good agreement with the values reported for other similar reactions.*

REFERENCES: *1. J. H. Goldstein and R. W. Weast, J. Chem. Phys., 38, 1000 (1963).*

ACKNOWLEDGMENTS: *This work was supported by the National Science Foundation.*

REFERENCES: *1. J. H. Goldstein and R. W. Weast, J. Chem. Phys., 38, 1000 (1963).*

REFERENCES: *2. J. H. Goldstein and R. W. Weast, J. Chem. Phys., 38, 1000 (1963).*

REFERENCES: *3. J. H. Goldstein and R. W. Weast, J. Chem. Phys., 38, 1000 (1963).*

REFERENCES: *4. J. H. Goldstein and R. W. Weast, J. Chem. Phys., 38, 1000 (1963).*

REFERENCES: *5. J. H. Goldstein and R. W. Weast, J. Chem. Phys., 38, 1000 (1963).*

REFERENCES: *6. J. H. Goldstein and R. W. Weast, J. Chem. Phys., 38, 1000 (1963).*