

**NEW MEXICO  
OIL CONSERVATION COMMISSION**

P. O. DRAWER DD  
ARTESIA, NEW MEXICO

**Jan. Feb. 1971**

No. A 37

**SUPPLEMENT TO THE OIL PRORATION SCHEDULE**

DATE 1/19/71

PURPOSE: ALLOWABLE REVISION (Waterflood)

Effective 1/1/71, the allowables of the following Stallworth  
Oil & Gas wells in the Grayburg Jackson Pool are hereby  
revised as indicated.

Featherstone #2-F, 2-17-31, increased to 45 BOPD, Jan.total, 1395 bbls  
Feb.total, 1260 bbls

Featherstone #3-B, 2-17-31, increased to 20 BOPD, Jan.total, 620 bbls  
Feb. total, 560 bbls

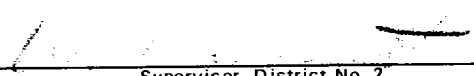
Featherstone #4-D, 2-17-31, increased to 20 BOPD, Jan.total, 620 bbls  
Feb. total, 560 bbls

WAG: jw

Stallworth O&G

TMM

OIL CONSERVATION COMMISSION

  
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Supervisor, District No. 2

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THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
RESEARCH REPORT  
NO. 1000

THE EFFECT OF TEMPERATURE ON THE RATE OF  
REACTION OF HYDROGEN PEROXIDE WITH  
SODIUM HYDROGEN SULFATE

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ABSTRACT: The rate of reaction of hydrogen peroxide with sodium hydrogen sulfate has been studied at various temperatures. The rate increases with increasing temperature, and the activation energy has been determined.

INTRODUCTION: The reaction of hydrogen peroxide with sodium hydrogen sulfate has been studied by several investigators. The reaction is exothermic and the rate increases with increasing temperature.

EXPERIMENTAL: The reaction was studied at various temperatures. The rate was measured by the volume of oxygen evolved.

RESULTS: The rate of reaction increases with increasing temperature. The activation energy has been determined to be 10.5 kcal/mole.

CONCLUSION: The reaction of hydrogen peroxide with sodium hydrogen sulfate is exothermic and the rate increases with increasing temperature.