

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

RECEIVED
DEC 30 1939
HOBBS OFFICE

Submit this notice in triplicate to the Oil Commission or its proper agent before the work specified herein. It will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commissioner or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

Hobbs, New Mexico Dec. 27, 1939

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Skelly Oil Co. State "N" Well No. 2 in NE NE
Company or Operator Lease
of Sec. 36, T. 16, R. 36, N. M. P. M., South Lovington Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Drilled to 2110' and ran and cemented 8-5/8" OD casing at 2106' with 500 sx cement (4% Aquagel) - Halliburton Process. Cement was circulated back to bottom of cellar. Will let set 72 hours and on Friday, December 29, at approximately 8:00 P. M. will drill plug and test for casing shut-off..

DEC 28 1939

Approved _____, 19____
except as follows:

SKELLY OIL COMPANY

Company or Operator

By

Position

District Superintendent

Send communications regarding well to

Name

Skelly Oil Co.

Address

Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By

Ray Yarbrough

Title

OIL & GAS INSPECTOR

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
RESEARCH REPORT

1. The first part of the report describes the experimental work carried out during the past year. The results of the experiments are presented in the form of tables and graphs. The data show that the reaction rate increases with increasing temperature and concentration of the reactants. The activation energy of the reaction has been determined to be 15.2 kcal/mole.

2. The second part of the report discusses the theoretical aspects of the reaction. It is shown that the reaction proceeds via a transition state in which the reactants are partially bonded to each other. The energy of the transition state is 18.5 kcal/mole above the energy of the reactants. The rate of the reaction is determined by the energy of the transition state.

3. The third part of the report presents a comparison of the experimental results with the theoretical predictions. It is found that the experimental results are in good agreement with the theoretical predictions. This indicates that the theoretical model is a good representation of the reaction.

4. The fourth part of the report discusses the implications of the results for the study of reaction kinetics. It is shown that the results can be used to determine the rate constants of the reaction at different temperatures and concentrations. This information is useful for the study of reaction mechanisms and for the design of chemical processes.