



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office \_\_\_\_\_  
Lease No. **27 001236 A** \_\_\_\_\_  
Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

|  |  |
|--|--|
| NOTICE OF INTENTION TO DRILL                   | SUBSEQUENT REPORT OF WATER SHUT-OFF        |
| NOTICE OF INTENTION TO CHANGE PLANS            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF     | SUBSEQUENT REPORT OF ALTERING CASING       |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE        | SUBSEQUENT REPORT OF ABANDONMENT           |
| NOTICE OF INTENTION TO PULL OR ALTER CASING    | SUPPLEMENTARY WELL HISTORY                 |
| NOTICE OF INTENTION TO ABANDON WELL            |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 16, 1957

**Reconnaissance Camp "B"**  
Well No. **# 1** is located **460** ft. from **N** line and **334** ft. from **E** line of sec. **9**  
**NE/4 Section 9** (1/4 Sec. and Sec. No.)  
**30N** (Twp.) **16W** (Range) **104th** (Meridian)  
**San Juan** (County or Subdivision) **New Mexico** (State or Territory)

The elevation of the ~~ground~~ floor above sea level is **5700** ft.

### DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**Pumped 32.94 barrels of oil in 13 hours. Lost 186 barrels lost oil. Pumping the lead.**



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The El Dorado Refining Company**

Address **1020 Central Building**

**Wichita, Kansas**

By **Max S. Houston**  
Title **Manager of Exploration**

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
530 SOUTH EAST ASIAN AVENUE  
CHICAGO, ILLINOIS 60607

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UNIVERSITY OF CHICAGO

RESEARCH REPORT ON THE CHEMISTRY OF THE  
POLYMERIZATION OF VINYL MONOMERS

The following report describes the results of a study of the polymerization of vinyl monomers in the presence of various catalysts. The study was conducted in the Department of Chemistry, University of Chicago, under the supervision of Professor [Name]. The results show that the rate of polymerization is significantly affected by the nature of the catalyst and the concentration of the monomer. The data indicate that the polymerization is a first-order reaction with respect to the monomer concentration and a zero-order reaction with respect to the catalyst concentration. The activation energy for the polymerization was determined to be [Value] kcal/mole. The molecular weight of the polymer was found to be [Value] and the degree of polymerization was [Value].

The study was supported by a grant from the National Science Foundation, Grant No. [Number]. The author wishes to thank Professor [Name] for his guidance and assistance throughout the study.

The author is indebted to the following individuals for their assistance in the study: [Name], [Name], and [Name]. The author also wishes to thank the following individuals for their helpful discussions: [Name] and [Name].

The author is grateful to the following individuals for their generous donation of materials: [Name], [Name], and [Name]. The author also wishes to thank the following individuals for their helpful discussions: [Name] and [Name].



The following table shows the effect of catalyst concentration on the rate of polymerization. The data were obtained from a series of experiments in which the concentration of the monomer was held constant and the concentration of the catalyst was varied. The results show that the rate of polymerization increases linearly with the concentration of the catalyst, indicating a first-order reaction with respect to the catalyst.

| Catalyst Concentration (M) | Rate of Polymerization (M/min) |
|----------------------------|--------------------------------|
| 0.01                       | 0.001                          |
| 0.02                       | 0.002                          |
| 0.03                       | 0.003                          |
| 0.04                       | 0.004                          |
| 0.05                       | 0.005                          |