

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Las Cruces**

Lease No. **029179**

Unit _____

RECEIVED
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HOBBS OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
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 REDRILLING 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)

Midland, Texas **October 10,** 19 **44**

F. S. Skidmore

Well No. **1** is located **660** ft. from **[S]** line and **660** ft. from **[W]** line of sec. **24**

SW 1/4 Sec. 24 **20-S** **31-E** **N.M.P.M.**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat **Eddy** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **3515** 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)

Total Depth, 925' - Anhydrite

Set and cemented 889' of 8-5/8" casing at 895' with 50 sacks.
Completed cementing at 9:45 P.M. 10-2-44.

Drilled plug 6:00 P.M. 10-8-44 bailed hole dry and let stand one hour. Tested O. K.

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

Company **The Texas Company**

Address **Box 1270**

Midland, Texas

By **[Signature]**

Title **District Superintendent**

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
5700 S. DICKINSON DRIVE
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RESEARCH REPORT

1. TITLE: Study of the reaction of
nitrogen dioxide with
oxygen
2. AUTHOR: John H. Dole
3. DATE: 1964
4. INSTITUTION: University of Chicago
5. PROJECT: Atmospheric Chemistry

6. ABSTRACT: This report describes the
study of the reaction of
nitrogen dioxide with
oxygen
at various temperatures
and pressures
and the effect of
various factors on the
rate of reaction
and the yield of
products

7. SUMMARY:

$$2NO_2 + O_2 \rightarrow 2NO + O_3$$

8. INTRODUCTION:

9. REFERENCES:

10. CONCLUSIONS: The reaction of
nitrogen dioxide with
oxygen
is a second order
reaction
and the rate of
reaction increases
with increasing
temperature
and decreasing
pressure
and the yield of
products increases
with increasing
temperature
and decreasing
pressure

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

12. DISTRIBUTION STATEMENT: This report
is available to the
public

13. FOOTNOTES: 1. The reaction of
nitrogen dioxide with
oxygen
is a second order
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and the rate of
reaction increases
with increasing
temperature
and decreasing
pressure
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products increases
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