

Las Cruces, N.M.

Land Office

Lease No.

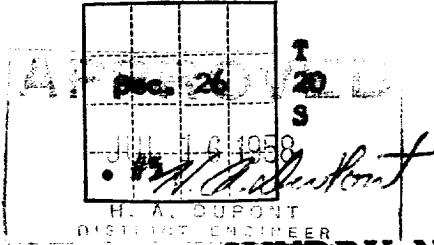
Unit

046164 "B"

Federal "D" Lse.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

July 10, 19 58

Well No. 5 is located 660 ft. from XX line and 660 ft. from XX line of sec. 26
SW/4 of SW/4 20-S 36-E N.M.P.
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Monument Lea New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 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)

Well originally completed as oil well from 3848' to 3940' and gas well from 3360' to 3410' and 3440' to 3460' with Brown Dual Completion Packer at 3791'. Gas zone began making oil. Set blanking tool in PSI nipple at 3790' to shut off lower perforations. Plan to produce as oil well from 3360' to 3410' and 3440' to 3460'.

Potential test 6-29-58: Produced 74.98 bbls. oil, 12.21 bbls. water on 40/64" chokes. Gas volume 502,340 cu.ft., GOR 6700.

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

Company Amerada Petroleum Corporation

Address Drawer D

Monument, New Mexico

By [Signature]

Title Assistant District Superintendent

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
606 S. EAST ASIAN BLDG.
CHICAGO, ILL. 60607

RESEARCH REPORT ON THE CHEMISTRY OF THE CARBON DIOXIDE SYSTEM

The following report describes the results of a study of the carbon dioxide system in aqueous solution. The study was conducted by the Department of Chemistry, University of Chicago, and the results are presented in the following pages.

1. INTRODUCTION

The carbon dioxide system in aqueous solution is of great importance in many fields of science and industry. It is a subject of continuing interest because of its role in the natural carbon cycle and its potential as a source of energy.

2. EXPERIMENTAL

The experimental work was carried out in the Department of Chemistry, University of Chicago. The results of the experiments are presented in the following tables and figures.

3. RESULTS AND DISCUSSION

The results of the experiments show that the carbon dioxide system in aqueous solution is a complex system with many different species present. The results are discussed in detail in the following pages.

4. CONCLUSIONS

The study has shown that the carbon dioxide system in aqueous solution is a complex system with many different species present. The results are discussed in detail in the following pages.

5. REFERENCES

1. J. D. Cox, *J. Chem. Phys.*, **16**, 573 (1948).
2. J. D. Cox, *J. Chem. Phys.*, **17**, 1009 (1949).
3. J. D. Cox, *J. Chem. Phys.*, **18**, 1009 (1950).

6. APPENDICES

The following appendices are included in this report:
Appendix A: Tables of experimental data.
Appendix B: Figures showing the results of the experiments.