

**NEW MEXICO OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico

**MISCELLANEOUS REPORTS ON WELLS**

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF <del>SHOOTING</del> OR CHEMICAL TREATMENT OF WELL	<b>XXX</b>	REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico October 1936

Place

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the \_\_\_\_\_

Gulf Oil Corp - Gypsy Divn. B. V. Culp "B" Well No. 2 in the \_\_\_\_\_  
Company or Operator Lease

C NE SE of Sec. 31, T. 19, R. 37, N. M. P. M.,

Monument Field, Lea. County.

The dates of this work were as follows: \_\_\_\_\_

Notice of intention to do the work was [was not] submitted on Form C-102 on \_\_\_\_\_ 19\_\_\_\_

and approval of the proposed plan was [was not] obtained. (Cross out incorrect words.)

**DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED**

**Acidized 10-10-1936 with 3,000 gallons.**

**Test Before acid - None, swabbed dry.**

**Test After Acid - 245 barrels oil in 18 hours, 1,000,000 gas.**

Witnessed by H. F. Swannack Name Gulf Company Roustabout - Engineer. Title

Subscribed and sworn to before me this \_\_\_\_\_

15th day of October, 1936

Patricia Mahoney  
Notary Public

My Commission expires Oct 24, 1936

I hereby swear or affirm that the information given above is true and correct.

Name P. P. O'Connell

Position District Supt.

Representing Gulf Oil Corp - Gypsy Division.  
Company or Operator

Address Hobbs, New Mexico.

Remarks:

[Signature]  
Name  
Title

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MEMORANDUM FOR THE RECORD

On the basis of the results of the experiment described above, it is concluded that the reaction of the metal with the gas is a reversible process. The equilibrium constant for the reaction is found to be  $K = 1.5 \times 10^{-3}$  at 25°C. The activation energy for the reaction is estimated to be 12 kcal/mole.

The reaction is exothermic and the heat of reaction is 12 kcal/mole.

The reaction is first order with respect to the metal and first order with respect to the gas.

The reaction is reversible and the equilibrium constant is  $K = 1.5 \times 10^{-3}$  at 25°C.

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