

GULF OIL CORPORATION  
FORT WORTH PRODUCTION DIVISION  
P. O. Box 2167  
Hobbs, New Mexico

February 26, 1954

New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Re: Application to Dually Recomplete  
Gulf Oil Corporation Amanda No. 1  
Amanda Pool, Lea County, New Mexico

Gentlemen:

By this letter of application Gulf Oil Corporation wishes to state the following:

(a) That the Gulf Oil Corporation Amanda No. 1, located in the NW/4 SE/4 of Section 25, T-22-S, R-37-E, was completed May 29, 1947 at a plug back depth of 7174'. That subject well was dually completed under Order DC-49 on January 31, 1954. The attached Exhibit "A" shows the location of this well on the Gulf Oil Corporation Amanda Lease together with the location of all offset wells.

(b) That subject well has 5-1/2" casing set at 7214' and cemented with 200 sacks of cement. The well is a dual completion producing from the perforated interval 7065-7090' in the Amanda Pool and 6020-6060' and 6080-6120' in the Tubb Pool.

(c) That the applicant proposes to recomplete the well in the following manner:

- (1) Abandon the lower zone 7065-7090' by setting a plug at 6150'.
- (2) Perforate the 5-1/2" casing within the approximate interval of 5410-5635' in the Blinbry Gas Pay.
- (3) Set production type packer below these perforations at approximately 5900' to separate the two pay zones.
- (4) Produce the Tubb gas through the tubing and Blinbry gas through the tubing-casing annulus.

(d) That the granting of this application for permission to produce the well as a dual completion with gas from the Blinbry and gas from the Tubb is in the interest of conservation and the protection of correlative rights.

(e) That the applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pay zones.

(f) That the manner and method of the proposed dual completion is mechanically feasible and practical.

## 1. Introduction

The purpose of this study is to

investigate the effects of

the proposed system on the

results.

The study is organized as follows:

Section 2

describes the background and motivation of the study. Section 3 describes the proposed system. Section 4 describes the experimental setup and results. Section 5 discusses the conclusions and future work.

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(g) That by copy of this letter of application, all offset operators are notified of the proposed dual completion.

Therefore, Gulf Oil Corporation requests that the Oil Conservation Commission grant permission to the applicant to dually complete the subject well as proposed in this application.

Respectfully submitted,

ORIGINAL SIGNED

BY

**C. F. TAYLOR**

C. F. TAYLOR

Area Production Superintendent

REL/fl

cc: R. Olsen Oil Company  
2811 Atco Tower Bldg.  
Oklahoma City, Oklahoma

Western Oil Fields, Inc.  
1636 Stout Street  
Denver, Colorado

1. The first part of the paper is devoted to a discussion of the various methods of determining the rate of reaction.

2. The second part of the paper is devoted to a discussion of the various methods of determining the order of reaction.

3. The third part of the paper is devoted to a discussion of the various methods of determining the activation energy of a reaction.

4. The fourth part of the paper is devoted to a discussion of the various methods of determining the equilibrium constant of a reaction.

5. The fifth part of the paper is devoted to a discussion of the various methods of determining the rate of reaction.

6. The sixth part of the paper is devoted to a discussion of the various methods of determining the order of reaction.

7. The seventh part of the paper is devoted to a discussion of the various methods of determining the activation energy of a reaction.