

DUPLICATE

NE MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

RECEIVED
JAN 17 1940
RECEIVED

HOBBS OFFICE

Submit this notice in triplicate to the Oil Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commissioner or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF 13"	XX	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

Hobbs, New Mexico

January 15, 1940

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the **Gulf Oil Corporation -**
Gypsy Prodn. Div. **R.A. Butler State** Well No. **2** in **NW SE**
Company or Operator Lease
of Sec. **19**, T. **20S**, R. **37E**, N. M. P. M., **Eunice** Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Started Drilling January 12, 1940.

January 13, 1940, the 13" OD NEW Armo 3-gauge Spiral Weld Slip Joint Steel Casing was cemented in Red Bed at 276' with 275 sac Common Cement and 300# Calcium Chloride by the Halliburton Cementing Process. Cement circulated in the cellar.

Propose to drill plug and test at 4:00 A.M., January 15, 1940.

JAN 17 1940

Approved _____, 19____
except as follows:

Gulf Oil Corporation - Gypsy Prodn. Div.

Company or Operator

By *C. C. Cummings*

Position **District Superintendent**

Send communications regarding well to

Name **C. C. Cummings**

Address **Hobbs, New Mexico.**

OIL CONSERVATION COMMISSION,

By *Ray Yarbrough*
Title **OIL & GAS INSPECTOR**

2. *Algebra*

The first part of the paper is devoted to the study of the algebraic structure of the ring of invariants of a finite group of linear transformations. The main result is the following theorem:

Theorem 1. Let G be a finite group of linear transformations of a vector space V over a field F . Let R be the ring of invariants of G . Then R is a free module over F of rank $|G|$.

The second part of the paper is devoted to the study of the algebraic structure of the ring of invariants of a finite group of linear transformations. The main result is the following theorem:

Theorem 2. Let G be a finite group of linear transformations of a vector space V over a field F . Let R be the ring of invariants of G . Then R is a free module over F of rank $|G|$.

The third part of the paper is devoted to the study of the algebraic structure of the ring of invariants of a finite group of linear transformations. The main result is the following theorem:

Theorem 3. Let G be a finite group of linear transformations of a vector space V over a field F . Let R be the ring of invariants of G . Then R is a free module over F of rank $|G|$.

The fourth part of the paper is devoted to the study of the algebraic structure of the ring of invariants of a finite group of linear transformations. The main result is the following theorem:

Theorem 4. Let G be a finite group of linear transformations of a vector space V over a field F . Let R be the ring of invariants of G . Then R is a free module over F of rank $|G|$.

The fifth part of the paper is devoted to the study of the algebraic structure of the ring of invariants of a finite group of linear transformations. The main result is the following theorem:

Theorem 5. Let G be a finite group of linear transformations of a vector space V over a field F . Let R be the ring of invariants of G . Then R is a free module over F of rank $|G|$.

The sixth part of the paper is devoted to the study of the algebraic structure of the ring of invariants of a finite group of linear transformations. The main result is the following theorem:

Theorem 6. Let G be a finite group of linear transformations of a vector space V over a field F . Let R be the ring of invariants of G . Then R is a free module over F of rank $|G|$.