

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Hobbs, New Mexico

February 20, 1937

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

The Ohio Oil Company

State-Grail

Well No. **2**

in **McJannet**

Company or Operator Lease

of Sec. **26**, T. **19 S**, R. **36 E**, N. M. P. M., **McJannet** Field, **Lea** County.

N.

The well is **1980** feet (N.) (~~A~~) of the **South** line and **1980** feet

(E.) (~~A~~) of the **West** line of **Sec. 26**

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. **B-3654** Assignment No.

If patented land the owner is

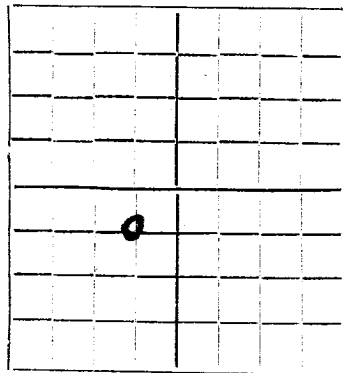
Address

If government land the permittee is

Address

The lessee is

Address



AREA 640 ACRES
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows:

Rotary Tools

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows:

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
15"	13" O.D.	50#	New	150	Cemented	150
11"	9 5/8"	36#	"	1200	"	500
8 3/4"	7"	24#	"	3800	"	400

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about **3800-3900** feet.

Additional information:

FEB 27 1937

Approved _____, 19____
except as follows:

Sincerely yours,

The Ohio Oil Company

Company or Operator

By

Alvin P. ...

Position

Sup't

Send communication regarding well to

Name

The Ohio Oil Company

Address

Box 1607, Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By

Title

[Signature]
Director

DUPLICATE

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

PHYSICAL CHEMISTRY

1. The rate of reaction between NO_2 and CO is first order in NO_2 and zero order in CO . The rate constant is $4.5 \times 10^4 \text{ s}^{-1}$ at 300°C . Calculate the half-life of NO_2 if the initial concentration is 0.10 M .

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Time (s)	NO_2 (M)	CO (M)
0	0.10	0.10
100	0.05	0.10
200	0.025	0.10
300	0.0125	0.10
400	0.00625	0.10
500	0.003125	0.10
600	0.0015625	0.10
700	0.00078125	0.10
800	0.000390625	0.10
900	0.0001953125	0.10
1000	0.00009765625	0.10

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