

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

May 8, 1939

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.
Gentlemen:

Place

Date

DUPLICATE

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

Stanolind Oil & Gas Co

Hill "C"

Well No. 5

in C lot 10

Company or Operator of Sec. 5, T. 21, R. 37, N. M. P.M., Lease Hardy Field, Lea County.

N.

The well is 3300 feet (N) (S.) of the north line and 1980 feet

(E) (W.) of the east line of Sec. 5, T-21-S R-37-E

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

If state land the oil and gas lease is No. Assignment No.

If patented land the owner is Elmer C. Hill

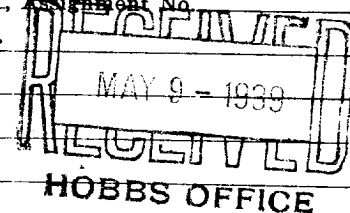
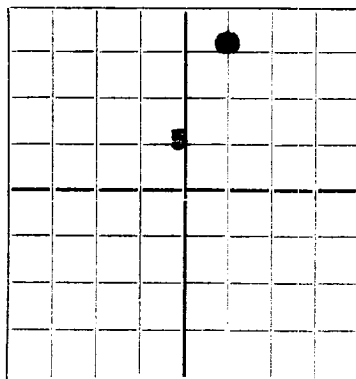
Address Eunice, New Mexico

If government land the permittee is

Address

The lessee is Stanolind Oil & Gas Co

Address Philcade Building, Tulsa, Oklahoma.

Middle
1/3rdSouth
1/3rd

AREA 640 ACRES
LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows: Rotary tools to approximately 3550', set oil string and complete with cable 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: Bond on file with Commission

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
17"	13" OD	40#	S.H.	300	Cemented	to surface
12-1/2"	9-5/8" OD	36#	New	1400	Cemented	500 sack
8-3/4"	7" OD	22#	New	3500	Cemented	275 sack

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 3700 feet.

Additional information: We propose to drill with the above methods and casing program to an approximate total depth of 3800' unless oil or gas in commercial quantities is encountered at a lesser depth. All work to conform to approved practice and in conformance with regulations of the Oil Conservation Commission of New Mexico.

Approved _____, 19____
except as follows: MAY 9 1939

Sincerely yours,

Stanolind Oil & Gas Co

Company or Operator

By Ralph L. Hendrickson

Position Field Supt.

Send communication regarding well to

Name Ralph L. Hendrickson,

Address Box F, Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By Roy Yarrborough

Title OIL & GAS INSPECTOR

1. The first part of the paper is devoted to the

study of the

properties of the

operator T defined by the formula

$$Tf(x) = \int_{-\infty}^{\infty} f(t) K(x, t) dt$$

where $K(x, t)$ is the kernel of the operator.

The kernel $K(x, t)$ is assumed to satisfy the conditions

$$K(x, t) = K(t, x) \quad (1)$$

and

$$K(x, t) = O(|x-t|^{-\alpha}) \quad (2)$$

where $\alpha > 0$ is a constant.

It is known that the operator T is

bounded in the space L^p if and only if

$$\int_{-\infty}^{\infty} |K(x, t)| dx < \infty \quad (3)$$

for $p=1$ and

$$\int_{-\infty}^{\infty} |K(x, t)| dt < \infty \quad (4)$$

for $p=\infty$.

For $1 < p < \infty$ the operator T is

$$Tf(x) = \int_{-\infty}^{\infty} f(t) K(x, t) dt$$

bounded in the space L^p if and only if

$$\int_{-\infty}^{\infty} |K(x, t)| dx < \infty \quad (5)$$

for $p=1$ and

$$\int_{-\infty}^{\infty} |K(x, t)| dt < \infty \quad (6)$$

for $p=\infty$.

For $1 < p < \infty$ the operator T is

$$Tf(x) = \int_{-\infty}^{\infty} f(t) K(x, t) dt$$

bounded in the space L^p if and only if