

Santa Fe, New Mexico

RECEIVED

## 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

January 8, 1951

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

C. H. Sweet

Stanford-Trickey

well No. 3

in

SE 1/4 SW 4

Company or Operator

Lease

of Sec. 7, T. 20S, R. 38E, N. M., P. M., Skaggs Field, Lea County.

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The well is 330 feet (N.) ~~1/4~~ of the South line and 1667.2 feet (E.) ~~1/4~~ of the West line of

(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 Valerie Schneider

Address Lubbock, Texas

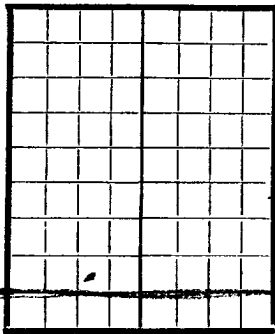
If government land the permittee is

Address

The lessee is C. H. Sweet

Address Box 1115, Hobbs, New Mexico

We propose to drill well with drilling equipment as follows: Rotary



AREA 640 ACRES

LOCATE WELL CORRECTLY

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: Has Been Filed

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
12" 6 3/4"	8 5/8" 5 1/2"	28# 15.5#	Used New & Used	250' 3850'	Cemented with 150 sacks on bottom and 100 sacks above salt.	150 Sacks

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 3850 feet.

Additional information:

Approved 1-10, 1952  
except as follows:

Sincerely yours,

C. H. Sweet

Company or Operator

By J. H. Moore

Position Owner

Send communications regarding well to:

Name C. H. Sweet

Address Box 1115, Hobbs, New Mexico

OIL CONSERVATION COMMISSION,

By R. S. Blum

Title Engineer

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

study of the

properties of the

operator  $T$  defined by the formula

$$Tf(x) = \int_0^x f(t) dt$$

and its adjoint  $T^*$ . It is shown that

the operator  $T$  is compact and self-adjoint. The eigenvalues of  $T$  are

$$\lambda_n = \frac{1}{n^2}, \quad n = 1, 2, 3, \dots$$

and the corresponding eigenfunctions are

$$f_n(x) = \sin nx$$

for  $n = 1, 2, 3, \dots$ . The operator  $T$  is

$$Tf = \sum_{n=1}^{\infty} \lambda_n (f, f_n) f_n$$

where  $(f, f_n)$  denotes the scalar product of  $f$  and  $f_n$  in the space  $L^2(0, 1)$ .

The operator  $T$  is compact and self-adjoint.

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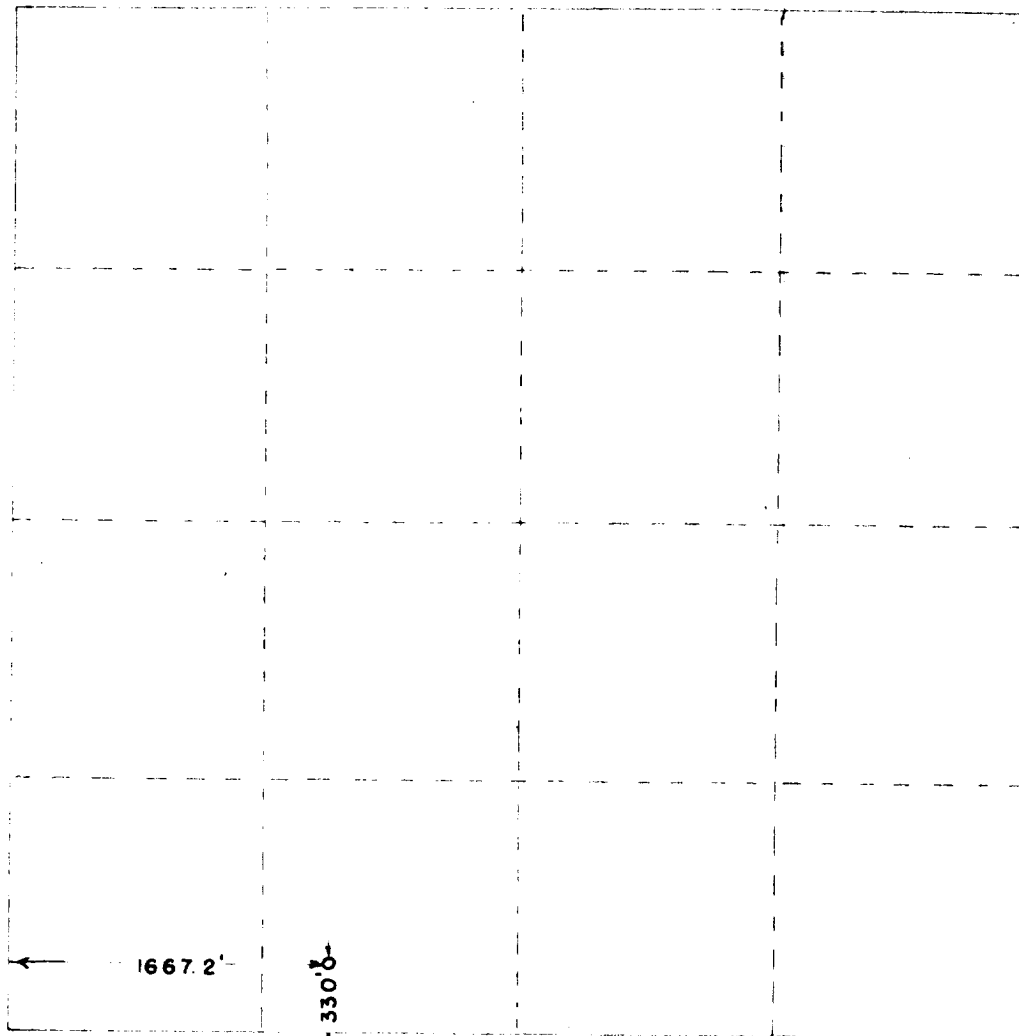
WELL LOCATION SURVEY PLAT

COMPANY C. H. SWEET  
LEASE STANFORD & TRICKEY  
WELL NO. 3

RECEIVED

JAN 10 1952

OIL CONSERVATION COMMISSION  
HOBBS OFFICE



SEC. 7, TWP. 20 S., RGE. 38 E., N.M.P.M.

I HEREBY CERTIFY THAT THIS PLAT WAS MADE  
FROM NOTES TAKEN IN THE FIELD BY ME AND THAT  
THE SAME IS TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF

*John W. West*

JOHN W. WEST, P E & L NO. 676

DEC 15, 1951