

Santa Fe, New Mexico

RO-726

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.

Jal., New Mexico

22 3-23-51

Place

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

R. OLSEN

HODGE

Well No.

1

in NE SE NE

Operator

Lease

of Sec.

8

T. 24S

R.

37E

N. M. P. M.,

LANGLIER MATTER

LEA

County.

The well is 1650 feet (N.) (S.) of the North line and 330 feet (E.) (W.) of the East line of Sec. 8-24S-37E

(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 ODAL M. HODGE

Address ARTESIA, NEW MEXICO

If government land the permittee is

Address

The lessee is

R. OLSEN

Address DRAWER "Z", JAL., NEW MEXICO

AREA 640 ACRES

LOCATE WELL CORRECTLY

We propose to drill well with drilling equipment as follows:

1902' to approx. 3400 where oil string is set. 3400 to top with 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: Blanket bond

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
10 1/2	8 5/8	24#	New	1198	Cemented	625
7 5/8	5 1/2	17#	New	3400	Cemented	400 sbs-200 at shoe 200 thru 2 stage tool at approx.

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 3400 feet.

Additional information:

NOTE: The 8 5/8 casing was set by Cities Service.

Approved MAR 27 1951, 19
except as follows:

Sincerely yours,

R. OLSEN

Operator

By

Position Geological Engr.

Send communications regarding well to

Name R. Olsen

Address Drawer "Z" Jal., New Mexico

OIL CONSERVATION COMMISSION,

By

Title

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

It is shown that the function $f(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{2}$ as $x \rightarrow \pm\infty$.

2. The second part of the paper is devoted to the study of the function $g(x)$ defined by the equation

$$g(x) = \int_0^x \frac{1}{1+t^4} dt$$

It is shown that the function $g(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{2\sqrt{2}}$ as $x \rightarrow \pm\infty$.

3. The third part of the paper is devoted to the study of the function $h(x)$ defined by the equation

$$h(x) = \int_0^x \frac{1}{1+t^6} dt$$

It is shown that the function $h(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{2\sqrt{3}}$ as $x \rightarrow \pm\infty$.

4. The fourth part of the paper is devoted to the study of the function $k(x)$ defined by the equation

$$k(x) = \int_0^x \frac{1}{1+t^8} dt$$

It is shown that the function $k(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{2\sqrt{2}}$ as $x \rightarrow \pm\infty$.

5. The fifth part of the paper is devoted to the study of the function $l(x)$ defined by the equation

$$l(x) = \int_0^x \frac{1}{1+t^{10}} dt$$

It is shown that the function $l(x)$ is increasing and concave down on the interval $(-\infty, \infty)$. The function has a horizontal asymptote at $y = \frac{\pi}{2\sqrt{5}}$ as $x \rightarrow \pm\infty$.