



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Lease No.

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 11, 1952

Well No. 2 is located 770 ft. from [N] line and 970 ft. from [E] line of sec. 22

32/31, Section 22 (1/4 Sec. and Sec. No.) 1-23N (Twp.) 4-13E (Range) R. 1, 1, 1 (Meridian)

Undesignated, Township (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6034 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total Depth 6162', perforated from 6120-6130 with 2 shots per foot - acidized with 500 gals. HCl - Breakdown Pressure 3000#, after treatment bled in 100' in 20 minutes. Sand-water traced with 970 bbls water and 10,000# acid. Breakdown Pressure 1300#, Maximum Fracturing Pressure 2100#, Shutting Pressure - 800#. I. R. 1.5 bpm. Set Bridge Plug at 6120'. Perforated from 6245' to 6248', 6317'-21, 6344-48 with 1 shot per foot. Sand-water traced with 1025 bbls. water, 10,000# acid, Breakdown Pressure - 1800#, Fracturing Pressure - 1900#, Shutting Pressure 1500#, Bleeding Pressure - 200#. I. R. 50 bpm. Rilled Bridge Plug. Landed 6321' (202 lbs.) of 2 1/2" Bgs. at 6344'. Lost In for Casing - 2/24/59.
PBT-6430'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company

Address

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 continuous and differentiable on the interval $(-\infty, \infty)$.

2. In the second part of the paper, the properties of the function $f(x)$ are studied in more detail. It is shown that the function $f(x)$ is bounded on the interval $(-\infty, \infty)$ and that it has a horizontal asymptote at $y = \frac{\pi}{2}$.

3. The third part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a complex number.

It is shown that the function $f(x)$ is analytic in the complex plane and that it satisfies the functional equation

$$f(x) + f\left(\frac{1}{x}\right) = \frac{\pi}{2}.$$

4. In the fourth part of the paper, the properties of the function $f(x)$ are studied in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

It is shown that the function $f(x)$ is identical with the function $\arctan x$ on the interval $(-\infty, \infty)$.

5. The fifth part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

It is shown that the function $f(x)$ is identical with the function $\arctan x$ on the interval $(-\infty, \infty)$.

6. The sixth part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

It is shown that the function $f(x)$ is identical with the function $\arctan x$ on the interval $(-\infty, \infty)$.

7. The seventh part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

It is shown that the function $f(x)$ is identical with the function $\arctan x$ on the interval $(-\infty, \infty)$.

8. The eighth part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

It is shown that the function $f(x)$ is identical with the function $\arctan x$ on the interval $(-\infty, \infty)$.

9. The ninth part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

10. The tenth part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

It is shown that the function $f(x)$ is identical with the function $\arctan x$ on the interval $(-\infty, \infty)$.

11. The eleventh part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.

It is shown that the function $f(x)$ is identical with the function $\arctan x$ on the interval $(-\infty, \infty)$.

12. The twelfth part of the paper is devoted to the study of the properties of the function $f(x)$ in the case when x is a real number and $f(x)$ is compared with the function $\arctan x$.