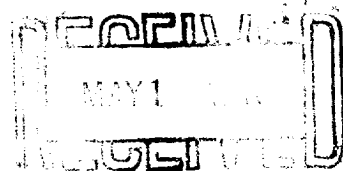


OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS



Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Monument, New Mexico

Place

April 26, 1946

Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____

Amerada Petroleum Corporation H. S. Record Well No. 1 in the
Company or Operator Lease

NW 1/4 Sec. of Sec. 26, T. 19S, R. 35E, N. M. P. M.,

No Designation Field, Lea County.

The dates of this work were as follows: April 25, 1946

Notice of intention to do the work was ~~(crossed out)~~ submitted on Form C-102 on April 24, 19 46
and approval of the proposed plan was ~~(crossed out)~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

3499' TD Line, Dumped 15 sax cement in bottom of hole and filled hole with mud and dumped 15 sax cement at 2192' and shot 7 5/8" Casing off at 1912' and recovered 45 joints of 7 5/8" Casing 1897' and filled hole with mud, left 215' of 13 3/8" Surface Casing in hole, dumped 15 sax of cement cap on top of mud in hole with a piece of 4" pipe 5' high as a marker in center of cement cap.

Witnessed by Don Topper, Amerada Pet. Corp. Asst. Dist. Supt.
Name Company Title

Subscribed and sworn before me this _____

I hereby swear or affirm that the information given above is true and correct.

27 day of April, 1946Name Don TopperPosition Asst. Dist. Supt.Will Hale Taylor
Notary PublicRepresenting Amerada Pet. Corp.,
Company or Operator

My commission expires _____

Address Drawer D, Monument, New Mexico.

Remarks:

APPROVED
MAY 1 1946

Ray J. J. J.
Oil & Gas Inspector
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 $(-\infty, \infty)$. Moreover, the function $f(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(0, \pi/2)$.

2. In the second part of the paper, we study the properties of the function $g(x)$ defined by the equation

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

It is shown that the function $g(x)$ is an odd function and is increasing on the interval $(-\infty, \infty)$. Moreover, the function $g(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\pi/4, \pi/4)$.

3. In the third part of the paper, we study the properties of the function $h(x)$ defined by the equation

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

It is shown that the function $h(x)$ is an even function and is increasing on the interval $(-\infty, \infty)$. Moreover, the function $h(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(0, \pi/2)$.

4. In the fourth part of the paper, we study the properties of the function $k(x)$ defined by the equation

$$k(x) = \int_0^x \frac{t^3}{1+t^2} dt$$

It is shown that the function $k(x)$ is an odd function and is increasing on the interval $(-\infty, \infty)$. Moreover, the function $k(x)$ is bounded on the interval $(-\infty, \infty)$ and its range is the interval $(-\pi/4, \pi/4)$.