

NEW MEXICO STATE LAND OFFICE
OFFICE OF THE STATE GEOLOGIST
SANTA FE, NEW MEXICO

MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector 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 water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas Inspector if possible.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS	<input type="checkbox"/>	REPORT ON DEEPENING WELL	<input type="checkbox"/>
REPORT ON RESULT OF SHOOTING WELL	<input type="checkbox"/>	REPORT ON PULLING OR OTHERWISE ALTERING CASING	<input type="checkbox"/>
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	<input type="checkbox"/>	REPORT ON REPAIRING WELL	<input type="checkbox"/>
REPORT ON RESULT OF ABANDONMENT OF WELL	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Carlsbad, N.M. June 7, 1932

PLACE

DATE

Mr. E. H. Wells State Geologist,
Santa Fe, N. Mex.

Following is a report on the work done and the results obtained under the heading noted above at the
Snowden & McSweeney Company McNutt Well No. 1 in the

COMPANY OR OPERATOR

LEASE

NW 1/4 SW 1/4 of Sec. 1, T. 21 S., R. 33 E., N. M. P. M.,

Lea Oil Field, Lea County.

The dates of this work were as follows: Finished on December 6, 1930

Notice of intention to do the work was (was ~~not~~ submitted on Form SG 104 on

Nov. 15th, 1930, and approval of the proposed plan was (was ~~not~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Hole drilled to 3826 feet, into salt water.

Plugged back to 3806' and put in 200 lbs. lead wool and 25 sacks cement from 3776 to 3806'.

Filled with mud-laden fluid to 1850 and cement to 1830'.

Filled up with mud-laden fluid.

Put in common wood plug at 1840 and 5 sacks cement to 1830'.

Work approved by R. L. Halley, December 8, 1930.

Subscribed and sworn to before me this 7th

day of June, 1932

Lucille Mayer

NOTARY PUBLIC.

My commission expires July 16 - 1935

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

Name J. B. MacNutt

Position Land Department,

Representing Snowden & McSweeney Co.

COMPANY OR OPERATOR.

Address Carlsbad, N. Mex.

Remarks:

JUN - 9 REC'D

DUPLICATE

J. B. MacNutt Insp.
NAME TITLE

the following conditions are satisfied:

(i) the function f is continuous on $[a, b]$ and $f(a) = f(b)$; (ii) the function f is differentiable on (a, b) ; (iii) the function f is not constant on (a, b) . Then there exists a point c in (a, b) such that $f'(c) = 0$.

Proof. Let f be a function satisfying the above conditions. Since f is continuous on $[a, b]$ and $f(a) = f(b)$, by the Extreme Value Theorem, f attains its maximum and minimum values on $[a, b]$. Since f is not constant on (a, b) , the maximum and minimum values are attained at interior points of (a, b) . Let c be a point in (a, b) where f attains its maximum value. Then $f'(c) = 0$.

Similarly, let d be a point in (a, b) where f attains its minimum value. Then $f'(d) = 0$. Since f is not constant on (a, b) , $c \neq d$. Therefore, there exists a point c in (a, b) such that $f'(c) = 0$.

Q.E.D.