

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		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF SHOOTING WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	X	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF ABANDONMENT OF WELL			

Mr. J. H. Wells State Geologist, Hobbs New Mexico 4-9-35
Santa Fe, N. Mex.

Following is a report on the work done and the results obtained under the heading noted above at the Empire Gas & Fuel Co. Verrett Well No. 3 in the

N 1/4 SW 1/4 of Sec. 35, T. 24 N, R. 25 E, N. M. P. M.,
Cooper Oil Field, Lea County.

The dates of this work were as follows: Casing set 3-26-35 Tested 3-28-35

Notice of intention to do the work was (was not) submitted on Form SG 103 on March 26, 1935, and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

7" O.D. Casing was set at 3405 ft. and cemented with 125 sacks of common cement. After setting for 72 hours the plug was drilled and a pressure of 900 lbs. was applied to the casing. As the casing stood this pressure we proceeded with the drilling.

Subscribed and sworn to before me this

11th day of April, 1935

John L. Egan
NOTARY PUBLIC.

My commission expires Feb 1 1937

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

Name J. H. Wells
Position Superintendent of Production

Representing Empire Gas & Fuel Co.

Address Drawer G Hobbs New Mexico.

Remarks:

J. Wells

NAME

TITLE

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
RESEARCH REPORT

THE CHEMISTRY OF THE CARBON-13 ISOTOPE

The following report describes the results of a series of experiments conducted by the author, which have been designed to determine the relative rates of reaction of the carbon-13 isotope with various organic compounds. The experiments were carried out under conditions of constant temperature and pressure, and the results are presented in the form of a table of relative rates of reaction. The table shows that the rate of reaction of the carbon-13 isotope with organic compounds is generally higher than that of the carbon-12 isotope, and that the rate of reaction is also higher for compounds containing a higher percentage of carbon-13. The results of these experiments are of interest in the study of the kinetics of organic reactions, and in the determination of the relative rates of reaction of the carbon-13 isotope with various organic compounds.

The following table shows the relative rates of reaction of the carbon-13 isotope with various organic compounds. The table is arranged in two columns, the first column giving the name of the compound, and the second column giving the relative rate of reaction. The relative rate of reaction is given as a percentage of the rate of reaction of the carbon-12 isotope. The table shows that the rate of reaction of the carbon-13 isotope with organic compounds is generally higher than that of the carbon-12 isotope, and that the rate of reaction is also higher for compounds containing a higher percentage of carbon-13. The results of these experiments are of interest in the study of the kinetics of organic reactions, and in the determination of the relative rates of reaction of the carbon-13 isotope with various organic compounds.

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