STATE OF KANSAS

Oil Field Waste Disposal Section
Ogden S. Jones, Geologist

Industrial Hygiene Section
Edwin C. Hyatt, Hygienist

Water and Sewage Laboratory
Cassandra Ritter, Bacteriologist
Elza Holmes

STATE BOARD OF HEALTH

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Paul D. Haney, Chemical Engineer Ben L. Williamson, Asst. Engineer Lewis A. Young, Asst. Engineer Wendell C. Wyatt, Asst. Engineer Clifford Sharp, Asst. Engineer Wm. Davis, Asst. Engineer

Analysis completed.

Bacteria per cc. on

in h lu cc. tuber.

Turbidity

Solids, total.

1 day B. O. D.

Microgen as Micrices

Mitrogen as Mitrates

HCO, (bicarbonate)

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medus so I. E mi

in 3 .01 cc. tubes_

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Agar, as 37°-24 his.__

Results of Fermentation Tests:

LAWRENCE, KANSAS

April 20, 1942

Mr. F. C. Allen Robinson Gymnasium Campus

Dear Sir:

CHEMICAL ANALYSIS Results in parts per million.

MINNERAL ANALYSIS

Confirmatory Tests for Coli-Aerogenies Group

Presumptive Tests for Coll-Accogence Group

We are reporting herewith the bacteriological analyses of the samples of water from the swimming pool.

Both of these samples are in excellent condition from a bacteriological standpoint.

Very truly yours,

DIXISION OF SANITATION

Lewis A. Young

Acting Chief Engineer

"Gas in the fermentation tubes and confirmatory test indicate the presence of bacterial organisms of the Coli-Aerogenes group. These organisms inhabit the intestinal tract of warm-blooded animals, hence their presence in water shows sewage contamination or pollution from surface drainage. Plus sign, gas present. Minus sign, gas absent.

One part per million is equivalent to 1 pound of substance per million pounds of water. One gallon weighs 3.33 pounds. 17.1 parts per million = 1 grain per gallon.