

IOWA
STATE DEPARTMENT OF HEALTH
DIVISION OF PUBLIC HEALTH ENGINEERING
DES MOINES

Town Charles City, Iowa.

Date February 20, 1939

Report on Water Supply

By H. W. Poston

Approved

A. H. Wieters Director
Division of Public Health Engineering

MEMORANDUM

Below is the log of the No. 2 well at Charles City.

LOG OF NO.2 WELL

| | | |
|-----|---------------------|-----|
| 7' | Black loam | 7 |
| 23' | Sand | 30 |
| 6' | Clay | 36 |
| 2' | Shell rock | 38 |
| 8' | Sand & Gravel | 46 |
| 24' | Clay | 70 |
| 1' | Find Sand | 71 |
| 25' | Brown lime rock | 96 |
| 30' | White lime rock | 126 |
| 10' | Blue lime rock | 136 |
| 20' | Brown lime rock | 156 |
| 15' | White lime rock | 171 |
| 5' | Blue lime rock | 176 |
| 15' | Brown lime rock | 191 |
| 9' | White lime rock | 200 |
| 7' | Dark brown limerock | 207 |
| 20' | White lime rock | 227 |
| 2 | Blue Shale | 229 |
| 16' | White lime rock | 245 |

This well has had unsafe bacteriological analyses in the past and as a result, is not being used for the city supply. Undoubtedly, the cause for the unsafe analyses on this supply is that the well is not properly sealed. An attempt was made to concrete the well several years ago, but the city officials feel that the job was very unsatisfactory since much of the concrete was pumped out immediately after it was placed. It was necessary to take down the pump and chisel out some of this concrete. The writer met with the City Council in to discuss the feasibility of resealing the well. A representative of the Layne-Western Company was also present and quoted the Council the cost of this job. The Council decided that no further action would be taken since the water funds were limited due to the cost of the new well.

Respectfully submitted,

HWP:MO'L

H. W. Poston,
Assistant Engineer.