

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W 7999

Location:

Town: Newton (NE)
(SW) : County Jasper

? sec. 13 T. 79 N., R. 20 W. E. Twp.

Well name and number Newton #2

Owner City of Newton? Address _____

Tenant _____ Address _____

Contractor Varner Well & Pump Co. Address Dubuque, Ia.

Drillers _____

Drilling dates 1955

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 45 feet, Measured _____ feet

Drilling method _____

Hole and casing data _____

Original depth to water _____ above
ft. below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date _____
 Static water level _____
 Measuring point _____
 Pumping water level _____
 Yield (g. p. m.) _____
 Duration of pumping _____
 Specific capacity _____

Pump Data

Type pump _____ Column diameter and length _____
 Cylinder or bowls diameter and length _____
 Suction pipe _____ Airline _____
 Power _____ Production _____ g. p. m. for _____ hours per day
 Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled _____
 Sampled by _____
 Silica (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Laboratory Data

Well No. **W 7999** Sample range **0-45** No. of samples **9**
 No. of dupls. and cond. **9 Good** Washed range _____
 Samples prepared by **Darland** Date **9-18-56**
 Logged by **NORTHUP** Date **11/31/57**
 Correlations by _____ Date **11/31/57**

IOWA PRESS
CLIPPING BUREAU
Des Moines, Iowa

Register
Des Moines, Iowa

JUN 23 1955

NOTICE OF PUBLIC HEARING
ON PROPOSED PLANS SPECIFICATIONS AND FORM OF
CONTRACT FOR THE CONSTRUCTION OF IMPROVEMENTS
TO THE MUNICIPAL WATER WORKS SYSTEM OF THE CITY
OF NEWTON, IOWA, AND FOR
THE RECEIVING OF BIDS FOR
THE CONSTRUCTION OF SUCH
IMPROVEMENTS.

Notice is hereby given that the Board of Water Trustees of Newton, Iowa, will meet on the 28th day of July, 1955 at 7:30 o'clock P. M. in the City Hall in Newton, Iowa, at which time and place said Board of Trustees proposes to adopt plans, specifications and form of contract, and will receive bids and enter into contract for the construction of 2 new wells with the necessary pumps and equipment at the well site of the City of Newton, located approximately five miles southwest of town.

Two shallow wells are to be constructed and will be of the double gravel packed type. They will be pumped by turbine type pumps with seven and one-half horse power motors. All connections from the well to the pump house are to be made by the water dept. All electrical wiring and connections are to be done by a separate electrical contract.

All items required to fully complete the contemplated improvement are set forth and described in the plans and specifications, copies of which may be obtained from D. Y. Caldwell, manager of the Newton Water Dept. at the City Hall, Newton, Iowa.

These improvements are being constructed by authority granted the municipality under Chapter 397, Code of Iowa, 1950.

All bids shall be on the form provided in the specifications and shall be sealed and shall be filed with the Asst. Secy. of the Board of Water Trustees on or before the time herein fixed for said meeting, and will then be publicly opened and read. All bids shall be accompanied by a certified check in the amount of not less than 5% of the amount of the bid and shall be made payable to the City of Newton, Iowa and shall be enclosed in a separate sealed envelope from that containing the bid.

If the successful bidder shall refuse to enter into a contract and perform the work, the check may be cashed and the proceeds thereof shall be forfeited to the Board of Water Trustees as agreed liquidated damages. The checks

of all but the low bidder shall be returned immediately and the checks of the low bidder shall be returned as soon as a contract has been signed and satisfactory bond has been furnished.

The contractor shall be paid for the work done on this contract in cash derived from the sale of Water Revenue Bonds.

The Board of Water Trustees of the City of Newton, Iowa, reserves the right to reject any or all bids or to defer action on any or all bids for a period not to exceed thirty (30) days after the hearing. The Board reserves the right to disregard the bid of any irresponsible bidder or any bid that is considered not in the public interest; to waive informalities, and to enter into such contract as it shall deem to be for the best interests of the municipality.

PASSED & APPROVED THIS 10TH DAY OF JUNE, 1955.

Charles V. Gecan
Chairman of the Board of
Water Trustees of the City of
Newton, Iowa.

ATTEST: D. Y. Caldwell
Asst. Secretary of the Board
of Water Trustees of the
City of Newton, Iowa.

IOWA PRESS
CLIPPING BUREAU

Des Moines, Iowa

News
Newton, Iowa

AUG 2 1955

City to Dig 2 New Wells At Metz Site

A bid of \$11,720 has been accepted by the city water trustees for the digging of two additional wells and the installation of two pumps, Don Caldwell, manager of the city water department said today.

The new wells will be dug within the next two weeks at the Metz well site. They are expected to be in operation by the latter part of October, Caldwell said.

The low bid on the project was submitted by the Varner Well and Pump company, Dubuque. Other bidders were the Thorp Well company and Layne Western.

In addition to the two gravel packed wells, a bid of \$40 was accepted to be subtracted or added on piping over or under 50 feet.

The water trustees accepted the Varner bid of \$4 a foot on test holes.

Money to dig the wells will come from the \$550,000 bond issue voted last year for water department expansion.

The city presently has 12 wells at the Metz site. The new wells are expected to produce 400 gallons a minute from each well.

Caldwell said there is no danger of a water shortage in the city but that the wells were being added in line with the city's normal expansion.