IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

6411

RECORD OF WELL

Location: NW edge of Treynor or NE edge

Town: Treynor (N E / S W) : County Pottawattamie

sec. 1(?) T. 74 N., R. 42 E. W. Twp.

Well name and number Treynor Town Test (1954)

Owner → Address

Tenant Address

Contractor Layne-Western Co. Address

Drillers

Drilling dates March 1954

Well data:

Altitudes: Drilling curb feet; Land surface feet

Determined by

Topographic position

Total depth: Reported 219½ feet, Measured feet

Drilling method Rotary (?)

Hole and casing data

Original depth to water ft. above / 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 (SiO_2)				
Iron (Fe)				
Manganese (Mn)				
Calcium (Ca)				
Magnesium (Mg)				
Potassium (K)				
Sodium (Na)				
Carbonate (CO_3)				
Bicarbonate (HCO_3)				
Sulfate (SO_4)				
Chloride (Cl)				
Fluoride (F)				
Nitrate (NO_3)				
Dissolved solids				
Hardness (as $CaCO_3$)				
Total				
Grains per gallon				
Noncarbonate				
Alkalinity (as $CaCO_3$)				
pH				
Specific conductance (micromhos at 25°C)				
Temperature (°F)				
Analysis No.				

Laboratory Data

LOCATION – E06-3

Well No. W 1647 Sample range C-2192 No. of samples 12

No. of dupls. and cond. 12 Good Washed range —

Samples prepared by Moore, DeRoma Date 3/24/54

Logged by _____ Date _____

Correlations by _____ Date _____

LAYNE-WESTERN CO.

4430 Commercial Ave.
OMAHA 11, NEBRASKA

PACKING LIST

Ship to Where: Iowa Geological Survey, Iowa City, Iowa

Ship by:

Customer's Order No.:

Quantity	ITEM	Check by
	Samples from test hole drilled to 219'-6" depth. at treynor Iowa. Hole drilled on northwest Edge of treynor and limestone was hit at 219'-6"	

Dated _____ 194__

LAYNE-WESTERN CO.

By

Treynor (Pottawattamie)

IOWA PRESS
CLIPPING BUREAU
Des Moines, Iowa

Record
Treynor, Iowa

DEC 10 1953

Set Water Bond Election On Or Near Mid-January

Town Council Acts On Advice of Bond Firm and Engineers

From a meeting of the Treynor town council with members of the Carleton Beh bond sales firm and an engineer from the Henningson, Durham & Richardson firm of consulting engineers, held Monday evening, the following facts have emerged:

1. An election to authorize the issuance of $27,000 worth of general obligation tax bonds will be held near the middle of January, 1954. All voters of the town, both property owners and renters, are entitled and expected to vote in this election. The bond issue must carry by at least a 60% majority.

2. If the $27,000 bond issue is approved, arrangements to issue and sell $23,000 worth of revenue bonds will immediately be made. These bonds will be repaid out of the receipts of the water system, and the cost to each user will depend on the total number of such users, together with the amount of water used.

3. It is completely impossible to install a sewage disposal system without first having a water system. This fact has been emphasized by all engineers consulted. Cost of both water and sewage disposal systems installed at the same time would be approximately $100,000, beyond the present financing ability of the town. The only way such an amount could be raised would be the levying of special assessments of $250-$300 against each lot here, and that is regarded unfavorably at this time.

Must Start Sometime

Backers of the water system recognize that there is a great need here for a sewage disposal system, that possibly it is needed more at the moment than is a water system. But without a water system, a sewage disposal system cannot be installed. They propose, therefore, to start towards the sewage system by first getting water. The Carleton Beh company estimates than, within five years after the installation of water, the town will be in a position to try for a sewage system.

A canvass of most of the property owners of the town, made Monday by board members, revealed about a 5 to 1 majority in favor of installing the water system. The canvass was made on the basis of explaining the probable yearly cost of the system to each taxpayer and user.

Record
Treynor, Iowa

JAN 14 1954

MAYOR'S PROCLAMATION NOTICE OF ELECTION TREYNOR, IOWA

Public Notice is Hereby Given that a special election of the Town of Treynor, Iowa, will be held on the 15th day of February, 1954, at the Treynor State Bank Basement, Treynor, Iowa, from Eight o'clock A.M. until Eight o'clock P.M. at which election there will be submitted to the voters of said Town, to be by them voted upon, the proposition of establishing and erecting a municipal waterworks for said Town and the proposition of contracting indebtedness for such purpose not exceeding $27,000 and issuing bonds for such purpose not exceeding $27,000, and levying a tax annually upon the taxable property in said Town not exceeding Nine mills per annum for the payment of such bonds and the interest thereon.

At said election the ballots to be used for the first of the aforesaid propositions will be in substantially the following form:

(Notice to Voters: For an affirmative vote upon any question submitted upon this ballot, make a cross (x) mark in the square after the word "YES". For a negative vote make a similar mark in the square following the word "NO".)

SHALL THE FOLLOWING PUBLIC MEASURE BE ADOPTED? YES ☐ NO ☐

Shall the Town of Treynor, in Pottawattamie County, Iowa, establish and erect a municipal waterworks?

and at said election the ballots to be used for the last of the aforesaid propositions will be in substantially the following form:

(Notice to Voters: For an affirmative vote upon any question submitted upon this ballot, make a cross (x) mark in the square after the word "YES". For a negative vote make a similar mark in the square following the word "NO".)

SHALL THE FOLLOWING PUBLIC MEASURE BE ADOPTED? YES ☐ NO ☐

Shall the Town of Treynor, Pottawattamie County, Iowa, establish and erect a municipal waterworks and contract indebtedness for such purpose not exceeding $27,000 and issue bonds for such purpose not exceeding $27,000 and levy a tax annually upon the taxable property in said Town of Treynor not exceeding nine mills per annum for the payment of such bonds and the interest thereon?

At which election all of the legal voters of said Town are hereby notified to appear at the said time and place.

This Notice is Given by order of the Council of said Town pursuant to Chapter 397 and 407 of the Code of Iowa, 1950, and all laws amendatory thereof and supplemental thereto, and to a sufficient petition with the resquisite signatures in accordance therewith.

Dated at Treynor, Iowa, this 4th day of January, 1954.

JOSEPH KARRER,
Mayor

Treynor (Pottawattamie)

IOWA PRESS
CLIPPING BUREAU
Des Moines, Iowa

Record
Treynor, Iowa

MAR 18 1954

Start Work Now To Locate Well For Water System

Will Drill 4 Inch Test Well; Bonds To Be Issued Soon

Work was scheduled to start this week on locating and drilling a four inch test well as a preliminary to putting down the eight inch well which is to furnish water for the new town water system. The bid of the Layne Western Engineering Co. of Omaha to drill the well was accepted at a meeting of the town council Friday evening.

The location of the well will be determined by a conference among town officials, the well contractor, and representatives of the Iowa Dept. of Health and the Henningson Engineering firm. It is expected that the well will be located at the north west edge of town, but no final decision had been reached yet early this week.

The Carleton Beh Co. of Des Moines, who are handling the bond issues, have promised action on issuing the bonds in the near future. The issues are scheduled to be submitted to the Chapman & Cutler firm of bond attorneys for final approval before being offered for sale. Inquiries have also been made to discover if it is possible for the town to use any part of its present $12,000 general fund balance to reduce the amount to be raised by the revenue bond issue, and thereby reduce the cost of the water program to consumers.

Treynor, Iowa

JUN 17 1954

Work Gets Under Way on New Town Well on Monday

Make Settling Pond to Keep Water for Drilling Operation

Crews of the Layne Western Co. were hard at work at the northwest corner of town this week, putting down the 220 foot deep gravel pack well which will provide the water for the new Treynor water system.

The well is being constructed by a process in which the earth is chewed loose by a drill, then the loose dirt brought up by a pressiurized stream of water. In order to have enough water for the operation, a large settling basin was built adjacent to the site of the well, then filled with water hauled in 1000 gallon tanks from nearby Silver Creek. As the dirt-laden water comes back up from the well, it is pumped into the basin where the dirt settles out; the water on top being always ready for reuse.

Approximately the bottom 30 feet of the well will be gravel-packed; which means that a hole of about 20 inches will be excavated, an eight inch casing inserted, then coarse gravel will be packed around the casing. This process allows water from any vein in the 30 foot distance to be pumped, since it will run downward through the gravel packing. To meet fire insurance requirements, the well must be able to furnish 50 gallons of water per minute for a 10 hour period.

As soon as the well is completed, bids will be asked on furnishing and installing pumping equipment, and on furnishing and installing all other equipment necessary for the water system. Bids on both will be asked for and considered at the same time.

CUTTING TAXES IS