



Memo to H. G. Hensley  
 from D. A. Barton Information as reportedly  
 orally by Mr. Cameron  
 Scranton - Greene County. Water Superintendent.

Location

Elevation.

400 feet

New City Well - Thorpe.

Get Results of pumping test.

Water Sample if in operation.

Pump for 1/2 hour.

Mayer Henderson

E. 27  
 S. 3

T. D. - 203' 6"

174' - 10"

29' 6" Active Screen

Static 137'

DD. 12 at 150 gpm.

Date Finished July 7

Mr. Shurman of Stanley Eng. Co. has Pumping figures.  
 Walter Thorpe has Samples.

~~Sent "Town Extension" to Mayer Henderson~~

Thorpe now drilling  
 former elevation - Ralston

Greene Co.

834 Well = 1204 - 77°

838 <sup>pp</sup> Gr. Cu. 1271

842 1205 76°



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

W 2334

RECORD OF WELL

Location:

Town: Swaranton (NE) (SW): County Greene

sec. 11 T 83 N., R. 32 W. Swaranton Twp.


Well name and number Swaranton City Well (1945)

Owner \_\_\_\_\_ Address \_\_\_\_\_

Tenant \_\_\_\_\_ Address \_\_\_\_\_

Contractor Tharpe Well Co. Address \_\_\_\_\_

Drillers \_\_\_\_\_

Drilling dates completed July 7, 1945

Well data:

Elevations: Drilling curb \_\_\_\_\_ feet; Land surface \_\_\_\_\_ feet

Determined by \_\_\_\_\_

Topographic position \_\_\_\_\_

Total depth: Reported 210 feet, Measured \_\_\_\_\_ feet

Drilling method cable tool, gravel pack?

Hole and casing data 175' of 10-inch pipe from 1 to 174 feet  
32'4" of 10-inch screen from 171'2" to 203'6"

Original depth to water 130 ft. <sup>above</sup> below \_\_\_\_\_ Date \_\_\_\_\_

Original elevation of water level \_\_\_\_\_ ft.; Source of data Tharpe Well Co.

Sources of water: Principal 144-174; Others \_\_\_\_\_

Consolidated sd

Production data:

LEVEL VIEW  
Date \_\_\_\_\_

Static depth to water 130 Measuring point \_\_\_\_\_

Pumping level 183 at 133 g.p.m. \_\_\_\_\_

Specific capacity \_\_\_\_\_ g.p.m. per ft. drawdown; Temperature \_\_\_\_\_ °F.

Pump data: Type pump \_\_\_\_\_ Column Dia. \_\_\_\_\_ Length \_\_\_\_\_

Cylinder or bowls: Dia. \_\_\_\_\_ Length \_\_\_\_\_ Suction pipe \_\_\_\_\_

Power \_\_\_\_\_ Airline \_\_\_\_\_

Estimated rate of production: \_\_\_\_\_ g.p.m. for \_\_\_\_\_ hrs. a day

Use of water \_\_\_\_\_

WATER ANALYSES (in parts per million)

Date samples \_\_\_\_\_

Sampled by \_\_\_\_\_

Total solids \_\_\_\_\_

Insoluble matter \_\_\_\_\_

Alkalinity (Meo) \_\_\_\_\_

Alkalinity (Phn) \_\_\_\_\_

pH \_\_\_\_\_

Fe<sub>2</sub>O<sub>3</sub> + Mn<sub>2</sub>O<sub>3</sub> + Al<sub>2</sub>O<sub>3</sub> \_\_\_\_\_

Alkali as sodium \_\_\_\_\_

Calcium \_\_\_\_\_

Magnesium \_\_\_\_\_

Iron (unfiltered) \_\_\_\_\_

Manganese \_\_\_\_\_

Nitrate \_\_\_\_\_

Fluoride \_\_\_\_\_

Chloride \_\_\_\_\_

Sulfate \_\_\_\_\_

Bicarbonate \_\_\_\_\_

Hardness (ppm) \_\_\_\_\_

Hardness (gpg) \_\_\_\_\_

Remarks \_\_\_\_\_

Laboratory data: \_\_\_\_\_ Sample storage location \_\_\_\_\_

Sample range 0-210 No. spls. 31 No. dupls. & cond. 31 Poor

Spls. prepared by S.P. Washed range 144-210 by D.G.

Driller's log and cond. \_\_\_\_\_

Insoluble residues: Prepared by \_\_\_\_\_ Studied by \_\_\_\_\_ Strip log \_\_\_\_\_

Microscopic study 0-210 E.S. strip log Oct. 16, 1946 E.S.

Gen. log \_\_\_\_\_ Correl. by E. Schally

IOWA GEOLOGICAL SURVEY  
Iowa City, Iowa

Well Log Record

Owner of well Town of Scranton #2 County Greene

Tenant \_\_\_\_\_ Town Scranton

Location NW NW sec. 1, T. 95 N., R. 36 W. <sup>B.</sup> Twp.

Curb elevation \_\_\_\_\_ ft. depth \_\_\_\_\_ ft. depth 203'6" ft. Present final

Static level: (Depth to water ~~above~~ <sup>below</sup> curb) 134 ft. level \_\_\_\_\_ ft. at \_\_\_\_\_ gpm. Pumping

Contractor Thorpe Well Co. Date drilled July 6, 1945

Description*	F E E T			Description*	F E E T		
	Thick	From	To		Thick	From	To

\*Abbreviate descriptions; use one line for each formation.

Remarks on water zones and casings Pump house floor is 1.0' above land surface

10" casing to 173' - 30' of 10" screen

[Samples in Des Moines]

[Stanby Engineering Co has data on pumping test.]

Water temp. for old well is 52°F - pump about 259 gpm - No. 1 pumping level reported to be 129' below land surface.

Temperature: Air \_\_\_\_\_ °F., Water \_\_\_\_\_ °F. at \_\_\_\_\_ A.M. \_\_\_\_\_ P.M. 19\_\_

Record obtained from \_\_\_\_\_ Recorded by W.E. Hale

file - Greene Co  
General Data

IOWA PRESS  
CLIPPING BUREAU

Des Moines, Iowa

Journal  
Scranton, Iowa

*visited*

*To be*

*done*

MAY 10 1945

**NEW WELL HERE  
READY FOR USE**

The new well was completed last week at a little over 200 feet, the last 40 feet being drilled through consolidated cement sand. The well casing is in place and water can be pumped when the screen is in place. The Thorpe Company moved its equipment to Ralston Wednesday where they will drill a well.

# Memorandum

From: SE Harris Jr.

Concerning: Scranton, Greene

Date: Sept 20, 1944

I visited the town of Scranton on Sept 18, 1944.

Mayor is Mr. Roy Henderson

Water superintendent Mr. Jack Cameron

The water situation has changed very little since the report of V. H. Jones submitted in Aug. 1935. Recently a new pump was installed which does not pump quite as much water.

The pump is now set at 160 ft.

swl 130'

d.d. of 10' when pumping at 25 g.p.m.

The water level has thus remained very nearly the same after 9 years.

There are no large users of water. The locker plant & school are heaviest users.

The town formerly had two other wells located beneath the standpipe. These have long since been abandoned and plugged.

The mains of the town are still connected to the railroad well for use in emergency. The town now wants a second well, <sup>mainly for standby</sup> in order to



be able to close this connection to meet the standards of the Dept. of Health.

Stanley engineering Co. has been <sup>to us</sup> employed to make these improvements & has requested information on wells in and near Scranton.