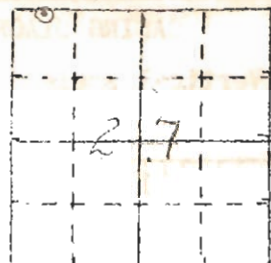


IOWA GEOLOGICAL SURVEY  
In Cooperation with U. S. Geological Survey

W-0014

RECORD OF WELL



Location:

Town: Boone ( N E )  
( S W ); County Boone

CNE NW NW sec. 27 T. 84 N., R. 26 W. Des Moines Twp.

Well name and number Boone City #2 Abandoned 1906

Owner Town of Boone Address \_\_\_\_\_

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

Contractor P. Miller & Co Address Chicago

Drillers \_\_\_\_\_

Drilling dates 1905

Well data:

Elevations: Drilling curb 1140 feet; Land surface \_\_\_\_\_ feet

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

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

Total depth: Reported 2914 feet; Measured \_\_\_\_\_ feet

Drilling method \_\_\_\_\_

Hole and casing data 16" hole to 195', 12" to 294', 10" to 500'  
6 1/4" to 1973 (no report below)  
(Give amount, size, kind, and depth of all casing; type and position of seals and packers; cementing; how finished--perforated pipe, screen, gravel pack, open hole, etc.)

Original depth to water \_\_\_\_\_ ft. above \_\_\_\_\_ ft. below \_\_\_\_\_ Date \_\_\_\_\_

Original elevation of water level \_\_\_\_\_ ft.; Source of date \_\_\_\_\_

Sources of water: Principal 2846-2900 ; Others \_\_\_\_\_

195 1820-85

Production data: Date \_\_\_\_\_  
 Static depth to water \_\_\_\_\_ Measuring point \_\_\_\_\_  
 Pumping level \_\_\_\_\_ at \_\_\_\_\_ 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: 70-80 g.p.m. for \_\_\_\_\_ hrs. a day  
 Use of water \_\_\_\_\_

WATER ANALYSES (in parts per million)

Date sampled	_____	_____	_____	_____
Sampled by	_____	_____	_____	_____
Total solids	_____	_____	_____	_____
Insoluble matter	_____	_____	_____	_____
Alkalinity (meq)	_____	_____	_____	_____
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 2620-2914 No. sps. 20 No. dupls. & cond. \_\_\_\_\_  
 Spls. prepared by \_\_\_\_\_ Washed range 2620-2914 by Gulfs  
 Driller's log and cond. \_\_\_\_\_  
 Insoluble residues: Prepared by \_\_\_\_\_ Studied by \_\_\_\_\_ Strip log \_\_\_\_\_  
 Microscopic study \_\_\_\_\_ strip log Conselman 1939  
 Gen. log \_\_\_\_\_ Correl. by \_\_\_\_\_

WATER LEVEL DATA

Measuring point \_\_\_\_\_

Date	Depth to water	Altitude	Remarks

REMARKS

water at 195      swl 35  
 1890-85      100