

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

6220

Location:

Town: Carroll (NE)
(SW) : County Carroll

SESENW sec. 27 T. 37 N., R. 35 ^E W. Twp.

Well name and number Railroad Well *may be town well*

Owner _____ Address _____

Tenant _____ Address _____

Contractor Thorpe Well Co. Address _____

Drillers _____

Drilling dates _____

Well data:

Altitudes: Drilling curb _____ feet; Land surface 1229 feet

Determined by P. ROBINSON 9/65

Topographic position _____

Total depth: Reported _____ 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

Location EC-5-7

Well No. W-6220 Sample range 7-151 No. of samples 28
 No. of dupls. and cond. 28 Good Washed range _____
 Samples prepared by Palensky & DeRoma Date 11/5/53
 Logged by NORTHUP Date 6/27/54
 Correlations by NORTHUP Date 6/28/54

Transcribed from
Punched Card

U. S. DEPARTMENT OF THE INTERIOR

Water Resources Division Well Schedule Form

MASTER CARD

Record by **D. AARONSON** Source of data **FILE** Date **5/2/66** COUNTY, IOWA
 State **IOWA** File No. **176** County (or town) **CARROLL** Well No. **14**

Latitude: **42° 10' 33.1" N** Longitude: **094° 54' 31.1" W** Sequential number: **1**

Lat-long accuracy: **2** Elev. **840** E. **35** S. **27** SE **5** NE **5** Other number: **W-6220**

Local well number: **08435W27BDD** Name of owner or name: **CARROLL TOWN WELL**

Local well name: **06220-53CITY** Address: **CARROLL, IA.**

Owner or name: **CARROLL, IA.**

Diameter: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist **M**

Use of (A) (C) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

Use of (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z)

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DATA AVAILABLE: Well data **5** Fresh, W/L, used: **NONE** Field aquifer char. **22**

Hyd. lab. data: **23**

Qual. water data: **24**

Fresh. sampling: **25** Pumpage inventory: not tested **26**

Aperture cards: **27** Yes **28**

Log data: **29**

Log data: **WELL LOG**

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084-35W-27BDD.1

Well Number 42 03 31 0845431

HYDROGEOLOGIC CARD

SAVE AS ON MASTER CARD: **TILLPLAIN** Physiographic Province: **CENTRAL LOWLAND** Section: **Dissected**

Top of well site: local depression, flat surface, hilltop, hillside, terrace, valley flat, Subbasin: **Z5A**

MAJOR AQUIFER: **CRETACEOUS LOWER K1** aquifer, formation, group **DAKOTA SANDST. D1**

Lithology: **MEDIUM SANDSTONE 3V** Origin: **MARINE 6** Thickness: **46**

MINOR AQUIFER: **46** Length of well open to: **90**

Lithology: **85** Length of well open to: **85**

Depth to consolidated rock: **85** Source of data: **WELL CUTTINGS MC**

Depth to basement: **85** Source of data: **POOR**

Surficial material: **70** Infiltration characteristics: **POOR**

Coefficient of storage: **70** Coefficient of transmissibility: **70**

Coefficient of permeability: **70** Specific capacity: **70**

Number of geologic cards: **70**

CASING: **NO INFORMATION.**

Diagram showing casing details with a grid and the number 27.