

IOWA STATE DEPARTMENT OF HEALTH
 DIVISION OF PUBLIC HEALTH ENGINEERING AND INDUSTRIAL HYGIENE

GROUND WATER

Town Carroll County Carroll Date January 25 1946

WELL NO. North Active Standby Abandoned Replaced by No.

LOCATION: Street North end of park, east Sec. T. N.R. East: West

Lot Block Township

OWNERSHIP Municipal Date Installed 19 30

CONTRACTOR Thorpe Well Co. Address Des Moines, Iowa

DATE RECONDITIONED None 19 Contractor Address

CONSTRUCTION EMPLOYED: Deep well drilled, gravel packed, Pump mounted on concrete pedestal, Three 8" gravel packed side holes located 4'6" from well casing.

CURB ELEVATION REFERENCE

TYPE OF CONSTRUCTION Deep well drilled Depth 209 ft. Diameter 16 in.

CASING: Material Steel Condition

SCREEN: Material Everdur screen Length 75 ft. Diameter 16 in. Slot Opening (1) in.

WELL SEALED Yes How to pedestal Pedestal around casing. Pump base sealed Approved Yes

WELL VENTED How Approved

TYPE OF PUMP V.T. Make Fairbanks-Morse Price turbine F.M. motor Capacity 500 GPM Lubricated Oil

DEPTH TO BOWLS ft. Tall Pipe 61'11"

PUMP CONTROL: Manual Yes Automatic Semi-Automatic

STATIC LEVEL 45 ft. Pumping Level 61 ft. Drawdown 16 ft.

OPTIMUM SPECIFIC YIELD 500 GPM Drawdown 31'5" Time Unknown hrs.

RATE OF DRAWDOWN Rate of Recovery

TEMPERATURE OF WATER °F Where Measured Temp. of Atmosphere °F

DRAWDOWN GAUGE INSTALLED

TOPOGRAPHICAL POSITION OF WELL Fairly high, mounded -- Northeast part of town

WELL SITE INVESTIGATED Approved Why not

WELL CONSTRUCTION REVIEWED Approved Why not

PIT CONSTRUCTION: Purpose Size and Description

CONDITION: Drainage Facilities

PUMP INSTALLATION: Approved Yes Why Not

CUTTINGS FROM WELL PRESERVED: Yes Where Thorpe Well Co.

DEPTH TO BED ROCK 120' Depth to Water-bearing Stratum 120 to 205 Ft.

SOURCE OF WATER: Principal Formation Believed to be soft sandstone Other
 Depth approx. 66'

Total Hardness ppm. Total Iron ppm. Sulfates ppm. Fluorine ppm.

Manganese ppm. pH CO₂ ppm.

REMARKS: 12x12' hollow tile pump house -- concrete floor. Immediate area around pump house mounded. 13 stage 120' ft of 9" column pipe, 12" suction pipe, 20' of strainer. Length of bowls 10'10".

This well discharges direct to the standpipe -- Well used as standby because of high iron content.

WATER (1951)

