

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. 8 Active Yes Standby _____ Abandoned _____ Replaced by No. _____

LOCATION: Approx. 100 ft. southwest
 Street of high service pump sta. Sec. T. _____ N.R. _____ East: West _____

Lot _____ Block _____ Township _____

OWNERSHIP Municipal Date Installed _____ 19(?)

CONTRACTOR _____ Address _____

DATE RECONDITIONED Reclaimed in 1935 Contractor Thorpe Well Co. Address Des Moines, Ia.

CONSTRUCTION EMPLOYED: Deep well drilled -- gravel packed. 3 - 8" gravel packed holes
steel casings.

Pump mounted on concrete pedestal approximately 30" square and 24" high.

CURB ELEVATION 1241.24 REFERENCE XX" on concrete floor.

TYPE OF CONSTRUCTION Drilled, gravel packed Depth 157 ft. Diameter 12 in.

CASING: Material Steel Condition Good

SCREEN: Material Everdur 89299 Length 65 ft. Diameter 12 in. Slot Opening (?) in.

WELL SEALED Yes How Casing extends into concrete platform Approved Yes

WELL VENTED Yes How Turned down screened all Approved Yes
2 1/2 Hp. O.R. motor

TYPE OF PUMP V.T. Make Emmons Capacity 100 GPM Lubricated Water
48 ft. of 7" extra heavy suction

DEPTH TO CYLINDER (?) ft. Tail Pipe pipe and strainer ft.

PUMP CONTROL: Manual Yes Automatic _____ Semi-Automatic _____

STATIC LEVEL 45 ft. Pumping Level _____ ft. Drawdown _____ ft.

OPTIMUM SPECIFIC YIELD _____ GPM Drawdown _____ ft. Time _____ hrs.

RATE OF DRAWDOWN _____ Rate of Recovery _____

TEMPERATURE OF WATER 66 °F Where Measured _____ Temp. of Atmosphere _____ °F

DRAWDOWN GAUGE INSTALLED No

TOPOGRAPHICAL POSITION OF WELL In semi low area, site not subject to overflow.

WELL SITE INVESTIGATED (?) Approved Yes Why not _____

WELL CONSTRUCTION REVIEWED _____ Approved _____ Why not _____

PIT CONSTRUCTION: Deepen None 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 (?) Depth to Water-bearing Stratum 92 to 157 ft.

SOURCE OF WATER: Principal Formation Thought to be sandstone. Other _____

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

Manganese _____ ppm. pH _____ CO₂ _____ ppm.

REMARKS: 13x13' frame pump house. Asphalt shingles, brick siding, concrete floor. Excellent
condition. Power line equipped with lightning arresters. Emmons pump capable of 105 ft.
head.
This pumping equipment discharges direct to the subsurface concrete reservoir.

GEOLOGICAL DATA		CASING DATA		WELL DATA	
Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: <i>3-8 1/2" grid</i> <i>packed notes</i>	Position of seals, screens, static level, etc.

From	To	Thick-ness	Type of Material
0	10	10	Top soil
10	45	35	Blue clay
45	48	3	Muddy sand
48	88	40	Blue clay
88	92	4	Dark blue clay
92	157	65	Thought to be sand-stone

