

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

GROUND WATER

Town Mt. Vernon County Linn Date Dec. 19 1944

WELL NO. 2 Active Standby Abandoned Replaced by No.

LOCATION: Street End of 3rd St. E. Sec. 10 T. 82 N.R. 5 ~~West~~

Lot 1 & 2 Block 4 Township Franklin
Waln's Addition

OWNERSHIP Town Date Installed 1924 - 1926 19

CONTRACTOR Bert Sharff Address Mason City, Iowa

DATE RECONDITIONED 1940 Contractor Local Labor Address

CONSTRUCTION EMPLOYED: Eliminated pump pit.

Installed new pumping equip. in 1943 - by Louis F. Whitney, Cedar Rapids, Iowa.

CURB ELEVATION Land Surface 788 REFERENCE I.G.S.

TYPE OF CONSTRUCTION Drilled Depth 335 ft. Diameter 12 in.

CASING: Material W.I. Condition Good

SCREEN: Material Galvanized Length 18" Diameter 5 in. Slot Opening in.

WELL SEALED Yes How conc. Approved Yes

WELL VENTED Yes How Pipe with screened turned down ell. Approved Yes

TYPE OF PUMP Turbine Make Fairbanks-Morse Capacity **200 GPM Lubricated Water

DEPTH TO CYLINDER 210 ~~100'~~ - 5" Steel Column Tail Pipe 10' - 5" steel

PUMP CONTROL: Manual Automatic Semi-Automatic

STATIC LEVEL 11' 11" ft. Pumping Level *** 93 ft. Drawdown 81' - 1"

OPTIMUM SPECIFIC YIELD GPM Drawdown ft. Time hrs.

RATE OF DRAWDOWN Rapid Rate of Recovery Rapid

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

DRAWDOWN GAUGE INSTALLED Yes, but not working

TOPOGRAPHICAL POSITION OF WELL Low level

WELL SITE INVESTIGATED Yes Approved Yes Why not

WELL CONSTRUCTION REVIEWED Yes Approved Yes Why not

PIT CONSTRUCTION: Purpose Size and Description

CONDITION: Drainage Facilities

PUMP INSTALLATION: Approved Yes Why Not

CUTTINGS FROM WELL PRESERVED: No Where

DEPTH TO BED ROCK 25' Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation Silurian Other

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Total Hardness 315 ppm. Total Iron 0.2 ppm. Sulfates 29.6 ppm. Fluorine 1.0 ppm.

Manganese Tr. ppm. pH CO₂ ppm.

REMARKS: *July 1943 by Louis F. Whitney, Cedar Rapids, Iowa

**Against total head of 368'.

***At 240 gpm by Louis F. Whitney in July 1943.

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: Horizontal $1" = 20'$ Vertical $1" = 40'$	Position of seals, screens, static level, etc.

