

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

GROUND WATER

Town Carroll County Carroll Date January 25 19 48

WELL NO. 4 Active Standby Abandoned Replaced by No. _____

LOCATION: Street in south room of high service pump station Sec. _____ T. _____ N.R. _____ East: West _____

Lot _____ Block _____ Township _____

OWNERSHIP Municipal Date Installed _____ 19 22

CONTRACTOR Shorpe Well Co. Address Des Moines, Iowa

DATE RECONDITIONED _____ 19 _____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: Deep well drilled, Hot gravel packed, Plunger pump mounted on concrete base. Well casing terminates at below base discharge tee.

CURB ELEVATION 1244.7 REFERENCE _____

TYPE OF CONSTRUCTION Deep well drilled Depth 140 ft. Diameter 10 in.

CASING: Material Steel Condition Believed to be good

SCREEN: Material (?) Length 12" # 10 Diameter screen # Slot Opening _____ in.

WELL SEALED How Casing flanged to discharge tee Approved

WELL VENTED How Through open discharge to reservoir Approved

TYPE OF PUMP Plunger Make Kaysons Downie Capacity 175 GPM Lubricated Oil

DEPTH TO CYLINDER 125(?) ft. Tail Pipe (?) ft.

PUMP CONTROL: Manual Automatic _____ Semi-Automatic _____

STATIC LEVEL 40 ft. Pumping Level _____ ft. Drawdown _____ ft.

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

RATE OF DRAWDOWN _____ Rate of Recovery _____

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

DRAWDOWN GAUGE INSTALLED: None

TOPOGRAPHICAL POSITION OF WELL In semi-low area

WELL SITE INVESTIGATED _____ Approved _____ Why not _____

WELL CONSTRUCTION REVIEWED _____ Approved _____ Why not _____

PIT CONSTRUCTION: Purpose _____ Size and Description _____

CONDITION: _____ Drainage Facilities _____

PUMP INSTALLATION: Approved Why Not _____

CUTTINGS FROM WELL PRESERVED: Where _____

DEPTH TO BED ROCK _____ Depth to Water-bearing Stratum _____

SOURCE OF WATER: Principal Formation Believed to be sandstone Other _____

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

Manganese _____ ppm. pH _____ CO₂ _____ ppm.

REMARKS: This well housed in south room of high service pumping station. Building and equipment maintained in satisfactory manner.

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: Horizontal _____ Vertical _____	Position of seals, screens, static level, etc.
From	To	Thick- ness	Type of Material		
0	18	12	Top soil		
12	47	35	Blue clay		
47	50	3	Muddy sand		
50	90	40	Blue clay		
90	94	4	Dark blue clay		
94	140	46	Thought to be sandstone		