

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

Municipal Water Supply Data

Town Hixson County Swiss Population 226 Date 4-2 19 42
 Source of Supply One drilled well Ownership Hixson
 Date Installed 1915 Adequacy of Supply Adequate
 Supply Metered Yes % How Meters on services

PUMPING EQUIPMENT

HIGH SERVICE: Make Keystone Capacity 25 Type Double Lift

PUMP INSTALLATION: Description sets on concrete floor in pump station

PUMP STATION: Description and Condition tile walls, wooden ceiling, concrete floor 15' x 15'

STORAGE FACILITIES

LOW SERVICE: Description

LOCATION: APPROVED

HIGH SERVICE: Description E. S. S. ³⁰ 25,000 gal

LOCATION: directly over pump str. APPROVED Yes

DISTRIBUTION SYSTEM

PER CENT POP. SERVED 90 PER CENT POP. ACCESSIBLE 95 NO. METERS 39

NO. OF SERVICES 40 DEAD ENDS 3

DAILY CONSUMPTION: Average GPD. Maximum GPD

RATES: Min/quarter 4.00 yr Remaining

\$1.00 / 1,000 gal for 1st 4,000 gal; up to 7,000 = 5.0¢ / 1,000; all over = 2.5¢ / 1,000

CROSS-CONNECTIONS 0 Number Supervised

TREATMENT: Sterilization Iron Removal Aeration Softening

TYPE OF CHLORINATOR POINT OF APPLICATION

CONTACT PERIOD LABORATORY CONTROL

REMARKS:

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GROUND WATER

Town Algon County Scott Date 4-2 19 42

WELL NO. 1 Active Standby Abandoned Replaced by No.

LOCATION: Street Sec. 18 T. 80 N.R. 2 East: West
Lot Block Township Alton

OWNERSHIP Algon Date Installed 1915

CONTRACTOR Hager Bros. Inc. Address Alton Algon

DATE RECONDITIONED 19 Contractor Address

CONSTRUCTION EMPLOYED:

CURB ELEVATION REFERENCE

TYPE OF CONSTRUCTION Drilled Depth 120' ft. Diameter 6 in.

CASING: Material Steel Condition Good

SCREEN: Material Bronze Length 18" # Diameter 6 in. Slot Opening in.

WELL SEALED yes How pump base tight Approved yes

WELL VENTED yes How pipe in pit Approved yes (?)

TYPE OF PUMP Diaphragm Make Raystone Capacity 28 GPM Lubricated Oil

DEPTH TO CYLINDER 100 ~~100~~ ft. Tail Pipe 0 ft.

PUMP CONTROL: Manual Automatic Semi-Automatic

STATIC LEVEL 2.0 ft. Pumping Level ft. Drawdown ft.

OPTIMUM SPECIFIC YIELD GPM Drawdown ft. Time hrs.

RATE OF DRAWDOWN Rate of Recovery

TEMPERATURE OF WATER 51 °F Where Measured at pump Temp. of Atmosphere 45 °F

DRAWDOWN GAUGE INSTALLED no

TOPOGRAPHICAL POSITION OF WELL Top of Hill

WELL SITE INVESTIGATED yes (4-2-42) Approved yes Why not

WELL CONSTRUCTION REVIEWED yes (") Approved yes Why not

PIT CONSTRUCTION: Purpose Valve pit Size and Description 4' x 6' x 6' deep

concrete walls, earth bottom

CONDITION: 3 air Drainage Facilities Earth bottom

PUMP INSTALLATION: Approved yes Why Not

CUTTINGS FROM WELL PRESERVED: Where

DEPTH TO BED ROCK 40 Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation Kansan Other

Total Hardness 275 ppm. Total Iron 0.1 ppm. Sulfates 10.5 ppm. Fluorine 0.0 ppm.

Manganese 0.0 ppm. pH CO₂ ppm.

REMARKS: * Reported by S. S. S. to be 108'