

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

GROUND WATER

Town Hastings County Mills Date July 27 1965
WELL NO. 1 Active ☒ Standby ☐ Abandoned ☐ Replaced by No.
LOCATION: Street Int. of Tarkio & Pearl St Sec. T. N.R. East: West
Lot Block Township
OWNERSHIP Municipal Date Installed 1965
CONTRACTOR Thorpe Address Des Moines
DATE RECONDITIONED 19 Contractor Address
CONSTRUCTION EMPLOYED:

CURB ELEVATION REFERENCE
TYPE OF CONSTRUCTION Gravel packed Depth 53 ft. Diameter 42 in.
CASING: Material Condition
SCREEN: Material eyardur Length 5 ft. Diameter 12 in. Slot Opening 3/16 in.
WELL SEALED yes How sets on base plate set in concrete Approved yes
WELL VENTED yes How Approved yes
TYPE OF PUMP turbine Make F.N. Design Capacity 50 GPM Lubricated water
DEPTH TO CYLINDER 40 ft. Tail Pipe ft.
PUMP CONTROL: Manual Automatic ☒ Semi-Automatic
STATIC LEVEL 16 ft. Pumping Level 22 ft. Drawdown 6 ft.
OPTIMUM SPECIFIC YIELD GPM Drawdown ft. Time hrs.
RATE OF DRAWDOWN rapid Rate of Recovery rapid
TEMPERATURE OF WATER 53 °F Where Measured pump dis Temp. of Atmosphere °F
DRAWDOWN GAUGE INSTALLED yes
TOPOGRAPHICAL POSITION OF WELL flat, fairly well drained
WELL SITE INVESTIGATED yes Approved yes Why not
WELL CONSTRUCTION REVIEWED yes Approved yes Why not
PIT CONSTRUCTION: Purpose none Size and Description

CONDITION: Drainage Facilities
PUMP INSTALLATION: Approved Why Not
CUTTINGS FROM WELL PRESERVED: yes Where I.S.G.S.
DEPTH TO BED ROCK Depth to Water-bearing Stratum 25 ft.
SOURCE OF WATER: Principal Formation coarse sand & rock Other

Total Hardness ppm. Total Iron ppm. Sulfates ppm. Fluorine ppm.
Manganese ppm. pH CO₂ ppm.
REMARKS:

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 <u>4'</u> Vertical <u>1'</u>	Position of seals, screens, static level, etc.

