

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

GROUND WATER

Town LeMars County Plymouth Date Sept. 15, 19 43
WELL NO. 3 Active ☒ Standby ☐ Abandoned 1953 Replaced by No. Well No. 5
LOCATION: Street West of reservoir Sec. T. N.R. East: West
Lot Block Township
OWNERSHIP Iowa Public Service Co. Date Installed July, 19 30
CONTRACTOR Rasmussen Address Sioux City
DATE RECONDITIONED 19 Contractor Address
CONSTRUCTION EMPLOYED: 109 foot drilled well

CURB ELEVATION REFERENCE
TYPE OF CONSTRUCTION Drilled Depth 109 ft. Diameter 18 in.
CASING: Material Standard 3/8" steel Condition
SCREEN: Material Johnson Everdur Length 24 ft. Diameter 16 in. Slot Opening in.
WELL SEALED Yes How pump base sealed Approved
WELL VENTED Yes How return ell in pump base Approved
TYPE OF PUMP Turbine Make F-M Capacity 500 GPM Lubricated Oil
DEPTH TO CYLINDER 100 ft. Tail Pipe 2 ft.
PUMP CONTROL: Manual Automatic ☒ Semi-Automatic
STATIC LEVEL ft. Pumping Level ft. Drawdown ft.
OPTIMUM SPECIFIC YIELD GPM Drawdown ft. Time hrs.
RATE OF DRAWDOWN Rate of Recovery
TEMPERATURE OF WATER 54 °F Where Measured Temp. of Atmosphere °F
DRAWDOWN GAUGE INSTALLED No
TOPOGRAPHICAL POSITION OF WELL
WELL SITE INVESTIGATED Approved Why not
WELL CONSTRUCTION REVIEWED Approved Why not
PIT CONSTRUCTION: Purpose Prevent freezing Size and Description 10' x 15' x 15'
Concrete lined
CONDITION: Good Drainage Facilities Drain to seepage pit
PUMP INSTALLATION: Approved Yes Why Not
CUTTINGS FROM WELL PRESERVED: Where
DEPTH TO BED ROCK Depth to Water-bearing Stratum
SOURCE OF WATER: Principal Formation Gravel Other

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.

Black dirt 12'
 Gravel 13'
 Clay & sand 5'
 Gravel & sand 19'
 Blue clay 40'
 Coarse gravel 2'
 Gravel 8'
 Gray gravel & sand 10'

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