

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

GROUND WATER

Town Le Mars County Plymouth Date 9 November 19 67
WELL NO. 6 Active ☒ Standby _____ Abandoned _____ Replaced by No. _____
LOCATION: Street _____ Sec. 20 T. 92 N.R. 45 East: West _____
Lot _____ Block _____ Township AMERICA
OWNERSHIP ~~AMERICA~~ Iowa Public Service Co. Date Installed ☒ March 19 67
CONTRACTOR Layne-Western Co. Address Omaha, Nebraska
DATE RECONDITIONED _____ 19 _____ Contractor _____ Address _____
CONSTRUCTION EMPLOYED: _____
CURB ELEVATION _____ REFERENCE _____
TYPE OF CONSTRUCTION Drilled - Gravel Packed Depth 345 ft. Diameter 12" x 24" in.
CASING: Material STEEL - 24" O.D. - 229' Condition New
SCREEN: Material 18-8 Stainless Layne Slitter Length 130 ft. Diameter 12 in. Slot Opening .105 in.
WELL SEALED ☒ Yes How 3/16" S.S. Plate Welded to bottom of Screen Approved _____
WELL VENTED ☒ Yes How Screened Return Band (copper band 15 in. screened vent) Approved _____
TYPE OF PUMP Turbine Make Layne Capacity 900 GPM Lubricated Water
DEPTH TO CYLINDER 180 ft. Tail Pipe 10 ft.
PUMP CONTROL ☒ Manual _____ Automatic Healy Ruff Electrode Semi-Automatic _____
STATIC LEVEL 88 ft. Pumping Level 160 ft. Drawdown 72 ft.
OPTIMUM SPECIFIC YIELD _____ GPM Drawdown _____ ft. Time _____ hrs.
RATE OF DRAWDOWN _____ Rate of Recovery _____
TEMPERATURE OF WATER 52 °F Where Measured Sampling Tap Temp. of Atmosphere 36 °F
DRAWDOWN GAUGE INSTALLED ☒ YES
TOPOGRAPHICAL POSITION OF WELL _____
WELL SITE INVESTIGATED Yes Approved Yes Why not Not
WELL CONSTRUCTION REVIEWED Yes Approved Yes Why not Notice No. 66-82-W
PIT CONSTRUCTION: Purpose Not Applicable Size and Description _____
CONDITION: _____ Drainage Facilities _____
PUMP INSTALLATION: Approved _____ Why Not _____
CUTTINGS FROM WELL PRESERVED: ☒ YES Where Iowa Geo. Survey
DEPTH TO BED ROCK _____ Depth to Water-bearing Stratum _____
SOURCE OF WATER: Principal Formation ☒ Sandstone Other _____

X

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.

Fill & Top Soil
& Clay & Shale

0-71'

Blue shale &
Limestone layers

71'-229'

Sandstone

229'-309'

Gray shale

309'-311'

Sandstone

311'-345'

