

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

GROUND WATER

Town New Virginia County Warren Date June 22 1956

WELL NO. I Active ☒ Standby ☐ Abandoned ☐ Replaced by No. _____

LOCATION: Street South of school Sec. T N.R. _____ East: West _____
Southeast part of town Lot _____ Block _____ Township _____

OWNERSHIP Municipal Date Installed March 19 1956

CONTRACTOR Thorpe Well Co. Address Des Moines, Iowa

DATE RECONDITIONED _____ 19 _____ Contractor _____ Address _____

CONSTRUCTION EMPLOYED: Gravel packed

CURB ELEVATION _____ REFERENCE _____

TYPE OF CONSTRUCTION Gravel packed Depth 43 ft. Diameter 16 in.

CASING: Material Steel Condition _____

SCREEN: Material _____ Length 5 ft. Diameter 16 in. Slot Opening _____ in.

WELL SEALED Yes How Steel cap and rubber seal Approved yes

WELL VENTED Yes How Turned down, screened pipe Approved yes

TYPE OF PUMP Submersible Make _____ Capacity 60 GPM Lubricated water

DEPTH TO CYLINDER _____ ft. Tail Pipe _____ ft.

PUMP CONTROL: Manual ☒ Automatic ☐ Semi-Automatic ☐

STATIC LEVEL 33' 2" ft. Pumping Level 36 ft. Drawdown 2' 10" ft.

OPTIMUM SPECIFIC YIELD 60 GPM Drawdown _____ ft. Time 24 hrs.

RATE OF DRAWDOWN Average Rate of Recovery rapid

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

DRAWDOWN GAUGE INSTALLED yes

TOPOGRAPHICAL POSITION OF WELL slight slope to west

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 yes Why Not _____

CUTTINGS FROM WELL PRESERVED: yes Where _____

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

SOURCE OF WATER: Principal Formation sand and gravel Other _____

Total Hardness 260 ppm. Total Iron <0.05 ppm. Sulfates 55.8 ppm. Fluorine 0.4 ppm.

Manganese <0.05 ppm. pH 7.7 CO₂ _____ ppm.

REMARKS: 75 ft. fence around well site to be constructed to prevent cattle from
pasturing near the well.

GEOLOGICAL DATA			CASING DATA	WELL DATA	
Formation	Material and distance from surface to ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal $\square = 4"$ Vertical $\square = 1 ft.$	Position of seals, screens, static level, etc.

	0 - 5'	
	Sticky Dark Clay Hard	
	5' - 13'	
	Light Colored Clay	
	13' - 17'	
	Yellow Clay	
	17' - 24'	
	Sand streaks & Clay Gray	
	24 - 26	
	Gray Clay & Rocks	
26 - 27	Sand & rocks	
	27 - 30	
	Sand & rocks	
	30 - 34	
	Sand & rock	water formation
	34 - 37.5	
	med. sand	
	37.5 - 39.75	
	coarse sand & gravel	
39.75 - 41	" "	
	yellow clay & gravel	

