

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

GROUND WATER

Town Eagle Grove County Wright Date Sept. 20 - 1945  
Jan. 17 1946

WELL NO. 2 Active Yes Standby..... Abandoned..... Replaced by No.....  
Approx. 250 ft. N.E.

LOCATION: Street of Treatment Plant Sec..... T..... N.R..... East: West.....  
Lot..... Block..... Township.....

OWNERSHIP Municipal Date Installed Started drilling Sept. 1945  
Placed in operation Oct. 15, 1945

CONTRACTOR Layne-Western Address.....

DATE RECONDITIONED January 1945 Contractor Layne-Western Address.....

CONSTRUCTION EMPLOYED: Shallow well drilled to 69 ft. Upper portion of casing encased in concrete. Casing terminates at top of concrete pedestal.

CURB ELEVATION..... REFERENCE.....

TYPE OF CONSTRUCTION Shallow well, drilled Depth 69 ft. Diameter 12 in.

CASING: Material Wrought iron Condition Good

SCREEN: Material (?) Length 2 1/2 ft. Diameter 12 in. Slot Opening (?) in.

WELL SEALED Yes How Concrete pedestal poured around casing. Casing extends through pedestal. Seal between pump base and pedestal questionable. Approved When seal is complete

WELL VENTED Yes How Screened breather pipe Approved Yes

TYPE OF PUMP V.T. Make Layne-Western Capacity 500 GPM Lubricated Water

DEPTH TO CYLINDER 50 ft. Tail Pipe..... ft.

PUMP CONTROL: Manual Yes Automatic..... Semi-Automatic.....

STATIC LEVEL 13 ft. Pumping Level 35 ft. Drawdown 22 ft.

OPTIMUM SPECIFIC YIELD..... GPM Drawdown..... ft. Time..... hrs.

RATE OF DRAWDOWN..... Rate of Recovery.....

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

DRAWDOWN GAUGE INSTALLED No

TOPOGRAPHICAL POSITION OF WELL Flat

WELL SITE INVESTIGATED..... Approved..... Why not.....

WELL CONSTRUCTION REVIEWED..... Approved..... Why not.....

PIT CONSTRUCTION: ~~None~~ None Size and Description.....

CONDITION:..... Drainage Facilities.....

PUMP INSTALLATION: Approved No Why Not Pending the placing of satisfactory seal between pump base and pedestal.

CUTTINGS FROM WELL PRESERVED:..... Where.....

DEPTH TO BED ROCK None Depth to Water-bearing Stratum 15 ft.

SOURCE OF WATER: Principal Formation Sand & gravel Other.....

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DEPTH TO CYLINDER 50 ft. Tail Pipe..... ft.

PUMP CONTROL: Manual Yes Automatic..... Semi-Automatic.....

STATIC LEVEL 13 ft. Pumping Level 38 ft. Drawdown 23 ft.

OPTIMUM SPECIFIC YIELD..... GPM Drawdown..... ft. Time..... hrs.

RATE OF DRAWDOWN..... Rate of Recovery.....

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

DRAWDOWN GAUGE INSTALLED No

TOPOGRAPHICAL POSITION OF WELL Flat

WELL SITE INVESTIGATED..... Approved..... Why not.....

WELL CONSTRUCTION REVIEWED..... Approved..... Why not.....

PIT CONSTRUCTION: ~~Present~~ None Size and Description.....

CONDITION:..... Drainage Facilities.....

PUMP INSTALLATION: Approved No Why Not Pending the placing of satisfactory seal between pump base and pedestal.

CUTTINGS FROM WELL PRESERVED:..... Where.....

DEPTH TO BED ROCK None Depth to Water-bearing Stratum 15 ft.

SOURCE OF WATER: Principal Formation Sand & gravel Other.....

Total Hardness..... ppm. Total Iron..... ppm. Sulfates..... ppm. Fluorine..... ppm.

Manganese..... ppm. pH..... CO<sub>2</sub>..... ppm.

REMARKS: Well cleaned out and thoroughly sterilized prior to being placed in operation. This new well and the old dug well penetrate the same water strata. Prolonged pumping of either well effects the water level of the other.

GEOLOGICAL DATA		CASING DATA		WELL DATA	
Formation	Material and distance from surface in ft.	Series	Frame, pump house, etc. Position, kind and extent of casing, liners, shoes, etc.	Scale: Horizontal _____ Vertical _____	Position of seals, screens, static level, etc.

0 to 12 ft. Soil + mixed clay.

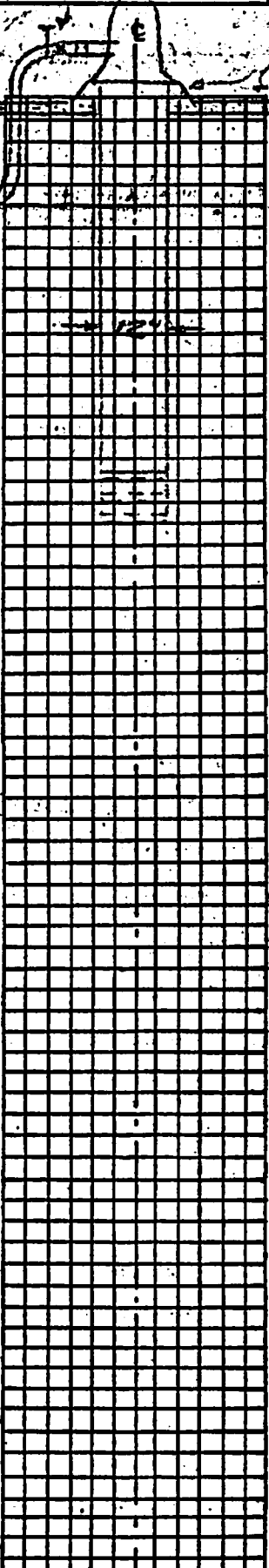
12 to 29 ft. Sand + gravel

Frame pump house and water

6" discharge

36.13'

PL. 35'



Conc. floor + pedestal

66.5'

69 ft 12" casing