

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

GROUND WATER

Town Mallard County Palo Alto Date June 19 1941

WELL NO. I Active Yes Standby _____ Abandoned 11/10/41 Replaced by No. 3 11/11

LOCATION: Street N $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25 T. 94 N.R. 33 East: West _____

Lot 3 Block 7 Township Rush Lake

OWNERSHIP Municipal Date Installed _____ 19 _____

CONTRACTOR Local mason Address _____

DATE RECONDITIONED Spring 19 29 Contractor _____ Address _____

CONSTRUCTION EMPLOYED: Wooden cover replaced with approved concrete cover. Masonry pointed.

CURB ELEVATION 1,225 REFERENCE M. & St. L. R.R.

TYPE OF CONSTRUCTION Dug Depth 36 ft. Diameter 12' in.

CASING: Material Brick & cement Condition Good

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

WELL SEALED Yes How at top overlapping cover & lock Approved Yes

WELL VENTED Yes How 1 $\frac{1}{2}$ " pipe return ell screened Approved yes

TYPE OF PUMP Centrifugal Make Fairbanks Morse Capacity 60 GPM Lubricated Oil

DEPTH TO CYLINDER _____ ft. Tail Pipe 25 ft.

PUMP CONTROL: Manual Yes Automatic _____ Semi-Automatic _____

STATIC LEVEL 10 ft. Pumping Level _____ ft. Drawdown Complete ft.

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

RATE OF DRAWDOWN _____ Rate of Recovery _____

TEMPERATURE OF WATER 50 °F Where Measured at pump Temp. of Atmosphere 87 °F

DRAWDOWN GAUGE INSTALLED No

TOPOGRAPHICAL POSITION OF WELL Upland

WELL SITE INVESTIGATED _____ Approved _____ Why not _____

WELL CONSTRUCTION REVIEWED _____ Approved _____ Why not _____

PIT CONSTRUCTION: Purpose for pump Size and Description 12' x 12' concrete lined, housing centrifugal pump. Pit open.

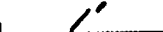
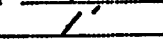
CONDITION: Good, well maintained Drainage Facilities _____ to sump

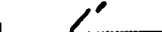
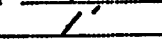
PUMP INSTALLATION: Approved yes Why Not _____

CUTTINGS FROM WELL PRESERVED: _____ Where _____

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

SOURCE OF WATER: Principal Formation _____ 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.	Scales: Horizontal  Vertical 	Position of seals, screens, static level, etc.

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	0-20'		Cement & Brick Brick see in monitor		Ground
	Soil & yellow clay				Static level
	20-36'		plaid shoe clay		Original depth Loose Brick 36'