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

GROUND WATER

Town Glidden County Carroll Date Dec. 15 19 59

WELL NO #3-new Active Yes Standby -- Abandoned -- Replaced by No. --

LOCATION: Street west of elevated storage tower Sec. 30 T. 84 N.R. 33 West

Lot Block Township

OWNERSHIP Municipal Date Installed Started May 14, 1958 Finished July 19 58

CONTRACTOR Rasmussen Well Co. Address Ida Grove

DATE RECONDITIONED None 19 Contractor Address

CONSTRUCTION EMPLOYED: Drilled -- Grouted to point 25' below natural ground - 10" casing extends from top to depth of 141.5, 25' of screen extends to bottom of 166.5'. Started with rotary and finished with cable rig.

CURB ELEVATION +18" REFERENCE Top of elevated storage tower pedestal

TYPE OF CONSTRUCTION drilled Depth 166.5 ft. Diameter 10 in.

CASING: Material steel Condition New

SCREEN: Material Bronze - Johnson Length 25 ft. Diameter 10 in. Slot Opening - in.

WELL SEALED Yes How Concrete pedestal filled between pump base & concrete pedestal Approved Yes

WELL VENTED Yes How 2" breather welded into well casing. Capped Approved Yes

TYPE OF PUMP V.T. Make Pomona Capacity 150 GPM Lubricated Water

DEPTH TO ~~CYLINDER~~ Bottom of Bowls 150 ft. Tail Pipe 10 ft.

PUMP CONTROL: Manual - Automatic Yes 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 °F Where Measured Temp. of Atmosphere °F

DRAWDOWN GAUGE INSTALLED

TOPOGRAPHICAL POSITION OF WELL Flat

WELL SITE INVESTIGATED Yes Approved with reservations 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: ? Where

DEPTH TO BED ROCK Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation Other

Uncemented sand at 132'

Analysis 7/30/59

Total Hardness 392 grams 22.9 ppm. Total Iron 0.88 ppm. Sulfates 23.7 ppm. Fluorine 0.4 ppm.

Manganese 1.35 ppm. pH 7.5 CO_2 ppm.

REMARKS: Pump motor rewired in 1950 when on well #2 which has since been abandoned. Well cost $5000 + land

Rasmussen was to furnish log and pump test data.

(by X.P.B.)

GEOLOGICAL DATA				CASING DATA	WELL DATA	
Formation		Material and distance from surface in ft.	Scales	Position, kind and extent of casing, liners, shoes, etc.	Scales: Horizontal ____ Vertical ____	Position of seals, screens, static level, etc. EST horizontal
From	to	Depth	Material			
1	15	15	Yellow clay			
15	35	20	Blue clay			
35	60	25	Yellow clay			
60	93	33	Soft yellow sand			
93	125	32	Yellow clay			
125	135	10	Blue clay			
135	142	7	White water sand - very fine			
142	165	23	light yellow sand			

