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

GROUND WATER

MWS

Town Clinton County Clinton Date ~~Apr~~ May 23, 19 ~~42~~ 58

WELL NO. 7 Active yes Standby Abandoned Replaced by No.

LOCATION: Street 6th Ave. & 1st Sec. T. N.R. East: West

Lot Block Township

OWNERSHIP Clinton Water Works Co. Date Installed May 1936

CONTRACTOR C. W. Varner Address Rockford, Illinois

DATE RECONDITIONED 1957 19 Contractor Address

CONSTRUCTION EMPLOYED: Rock well 2101 ft. deep, cased 16" I D to ~~350~~ 308'
12" to 900', 12" open hole to 2101
Deepened to T.D. 2242 (1957) by Varner Well Co. Drlg.

CURB ELEVATION Approx. 591.0 ~~587.75~~ REFERENCE U. S. Gov. Eng.

TYPE OF CONSTRUCTION Drilled Depth 2242 ft. Diameter in.

CASING: Material Cast iron Condition Good

SCREEN: Material None Length ft. Diameter in. Slot Opening in.

WELL SEALED Yes How ~~Covered concrete vault 3' above gnd~~ Mortar Approved Yes

WELL VENTED Yes How ~~Vent in cover of vault~~ Screened Ells Approved Yes

TYPE OF PUMP ~~Air Lift~~ Turbine Make Peerless Capacity 2100 GPM Lubricated Water

DEPTH TO CYLINDER 250' column ft. Tail Pipe ft.

PUMP CONTROL: Manual Yes Automatic Semi-Automatic

X STATIC LEVEL ~~52~~ 126 ft. Pumping Level ~~100~~ 188 ft. Drawdown ~~48~~ 62 ft.

OPTIMUM SPECIFIC YIELD ~~1750~~ GPM Drawdown ~~48~~ ft. Time hrs.

RATE OF DRAWDOWN Slow Rate of Recovery Rapid

TEMPERATURE OF WATER 68 °F Where Measured Pump Temp. of Atmosphere °F

DRAWDOWN GAUGE INSTALLED ~~Air line used as such~~ 250'

TOPOGRAPHICAL POSITION OF WELL Near pump station in Municipal Park

WELL SITE INVESTIGATED Approved Why not

WELL CONSTRUCTION REVIEWED Approved Why not

PIT CONSTRUCTION: Purpose ~~Air release~~ Size and Description
None

CONDITION: Drainage Facilities

PUMP INSTALLATION: Approved Yes Why Not

CUTTINGS FROM WELL PRESERVED: Where

DEPTH TO BED ROCK ~~95~~ 7 Depth to Water-bearing Stratum

SOURCE OF WATER: Principal Formation Below 900 ft. Other

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Approx. 591.0
CURB ELEVATION 587.75 REFERENCE U. S. Gov. Eng.

TYPE OF CONSTRUCTION Drilled Depth ~~2242~~ ft. Diameter in.

CASING: Material Cast iron Condition Good

SCREEN: Material None Length ft. Diameter in. Slot Opening in.

WELL SEALED Yes How ~~Covered concrete vault 3' above gnd~~ Mortar Approved Yes

WELL VENTED Yes How ~~Vent in cover of vault~~ Screened Ells Approved Yes

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

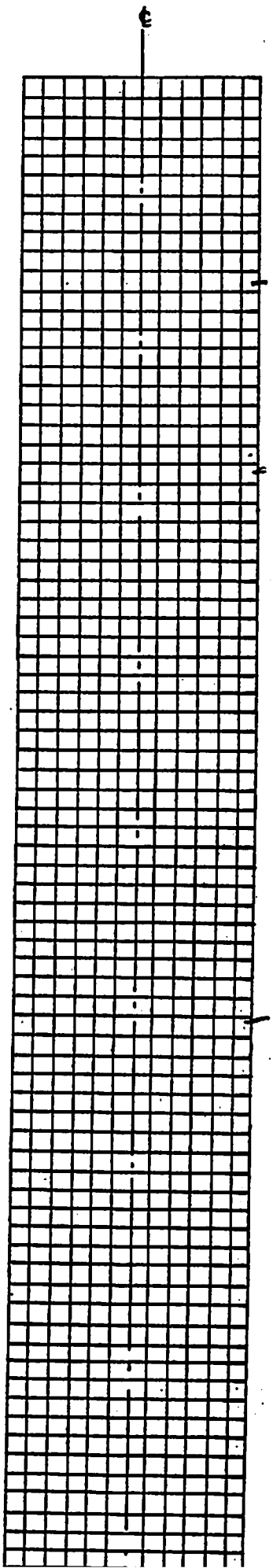
Manganese ppm. pH CO_3 ppm.

REMARKS: ~~Normally used for sole and entire source of supply. Winter nights yields more than required and is shut down for several hours and No. 6 used. In summer does not yield enough and other wells are used with this.~~

* April 1957 @ 2100 gpm.

Auxiliary Gasoline Engine for turbine pump (LeRoy).
Info from H H Myers 4/58

Formation	Material and distance from surface in ft.	Series	Position, kind and extent of casing, liners, shoes, etc.	Horizontal ..... Vertical 1" = 40'	Position of seals, screens, static level, etc.
Niagara	Soil 0 - 7 Limestone 7 - 136				
Maquoketa	Shale 136 - 348				
Galena & Plattsville	Limestone 348 - 684				
St. Peter	Sandstone 684 - 752				
	Dolomite Limestone 752 - 1275				
	Dolomite 1275 - 1335				
	Limestone and shale 1335 - 1440				
Galesville	Sandstone 1440 - 1565				
	Shale 1565 - 1570				
	Dolomite 1570 - 1575				
Dresbach	Shale 1575 - 1600				
"	Sandstone 1600 - 1650				
"	Shale and Sandstone 1650 - 1690				
"	Shale & Red Sandstone 1690 - 1750				
"	Sandstone Red White 1750 - 2101				



TD. 2242

Received from Iowa DNR
03/09/2016

Public Well Location, Construction and Geology
Clinton, Iowa Jordan Well Inventory