IOWA GEOLOGICAL SURVEY

In Cooperation with U. S. Geological Survey

RECORD OF WELL

W. 6207

Location:

Town: Stanton (N E) (S W) :County Montgomery E.

SE SW NE sec. 4 T. 71 N., R. 37 W. _____ Twp.

Well name and number Stanton Town Well (1953)

Owner _____ Address _____

Tenant _____ Address _____

Contractor Thorpe Well Co. Address _____

Drillers Dale BAUGH & Harrison

Drilling dates _____

Well data:

Altitudes: Drilling curb _____ feet; Land surface 1177 feet

Determined by GROUP ALTIMETER RUN 8/1965

Topographic position _____

Total depth: Reported 149 1/2 feet, Measured _____ feet

Drilling method _____

Hole and casing data _____

Original depth to water _____ ft. above below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date				
Static water level				
Measuring point				
Pumping water level				
Yield (g. p. m.)				
Duration of pumping				
Specific capacity				

Pump Data

Type pump _____ Column diameter and length _____

Cylinder or bowls diameter and length _____

Suction pipe _____ Airline _____

Power _____ Production _____ g. p. m. for _____ hours per day

Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled				
Sampled by				
Silica (SiO_2)				
Iron (Fe)				
Manganese (Mn)				
Calcium (Ca)				
Magnesium (Mg)				
Potassium (K)				
Sodium (Na)				
Carbonate (CO_3)				
Bicarbonate (HCO_3)				
Sulfate (SO_4)				
Chloride (Cl)				
Fluoride (F)				
Nitrate (NO_3)				
Dissolved solids				
Hardness (as $CaCO_3$)				
Total				
Grains per gallon				
Noncarbonate				
Alkalinity (as $CaCO_3$)				
pH				
Specific conductance (micromhos at 25°C)				
Temperature (°F)				
Analysis No.				

Laboratory Data

Location EC 4-8

Well No. W .6207 Sample range 0 – 149 ½ No. of samples 34

No. of dupls. and cond. 34 Good Washed range —

Samples prepared by DeRoma, Palensky Date 11/3/53

Logged by NORTHUP Date 8/12/54

Correlations by NORTHUP Date 8/12/54

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WRD Exp. (GW)
Aug. 1964

Verified PMJ

Punched ERC

U. S. DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Water Resources Division Well Schedule Form

MASTER CARD

COUNTY HWY.

Record by D. AARONSON Source of data FILE Date 4/21/66 Map 1:63,360

State IOWA [16] County (or town) MONTGOMERY [69]

Latitude: 40 58 50 N Longitude: 095 06 17 Sequential number: 1

Lat-long accuracy: 2 T 71 S, R 37 E Sec 4, SE ¼, SW ¼, NE ¼ 5

Local well number: 071 37W 04 A CD B & M Other number: W-6207

Local use: 062 07 53 CITY Owner or name: STANTON TOWN WELL #3

Owner or name: STANTON Address: STANTON, IA.

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Disc [M]

Use of water: (A) Air cond, (C) Comm, (D) Dewatering, (F) Fire, (H) Dom, (I) Irr, (N) Ind, (P) P S, (S) Stock, (T) Instit, (U) Unused [P]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (O) Obs, (P) Oil-gas, (R) Recharge, (S) Spring, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed [W]

DATA AVAILABLE: Well data [2] Freq. W/L meas.: INVENTORY [Ø] Field aquifer char.

Hyd. lab. data:

Qual. water data; type: COMPLETE [C]

Freq. sampling: INTERMITTENT (4/3/53) [I] Pumpage inventory: yes / no, period:

Aperture cards: Yes

Log data: GEOLOGIST LOG [G]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 149½ ft 150 Meas. [6]

Depth cased: (first perf.) ft Casing type: ; Diam. in accuracy

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (O) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse rotary, (T) trenching, (V) driven, (W) drive wash, (Z) other

Date Drilled: 1953 9 53 Pump intake setting: ft

Driller: THORPE WELL CO. name, DES MOINES, IA. address

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (cent.) (M) multiple, (turb.) (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (Z) other Deep Shallow

Power (type): diesel, elec, nat gas, gasoline, hand, LPG gas, wind; H.P. 20 [V] Trans. or meter no.

Descrip. MP LSD ft above below lsd, Alt. MP 1177

Alt. LSD: 1177 1177 Accuracy: (source) ALTIMETER [7]

Water Level 58 ft above below MP; ft above below lsd 58 Accuracy: DRILLERS LOG [D]

Date meas: 1953 53 Yield: 250 gpm 250 Method determined

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron 5.1 [7] Sulfate 189 [5] Chloride 31 [2] Hard. 346 [7]
ppm ppm ppm ppm

Sp. Conduct 814 K x 10^6 [4] Temp. 53 °F 53 Date sampled OCT. 4, 1965 [Ø 6 5]

Taste, color, etc. SMALL AMOUNT OF BROWN SUSPENDED PARTICLES ON RECEIPT IN LAB.

071-37W-04ACD

Well Number 40 58 50 (N) S 095 06 17
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: CENTRAL LOWLAND [12] (20–21) Section: DISSECTED

TILL PLAIN [6] (22) Drainage Basin: TARKIO [311A] (23–25) Subbasin: [ ] (26)

Topo of well site: local depression, (D) flat surface, (F) hilltop, (H) hillside, (S) terrace, (T) valley flat, (V) HILLSIDE [5] (27)

MAJOR AQUIFER: CRETACEOUS (system), LOWER (series) [K1] (28–29) DAKOTA FM. (aquifer, formation, group) [DD] (30–31)

Lithology: COARSE SANDSTONE [4V] (32–33) Origin: MARINE [6] (34) Aquifer Thickness: [ ] ft (35–37)

Length of well open to: [ ] ft (38–40) Depth to top of: 76 ft [76] (41–43)

MINOR AQUIFER: [ ] (system), [ ] (series) [ ] (44–45) [ ] (aquifer, formation, group) [ ] (46–47)

Lithology: [ ] (48–49) Origin: [ ] (50) Aquifer Thickness: [ ] ft (51–53)

Length of well open to: [ ] ft (54–56) Depth to top of: [ ] ft (57–59)

Intervals Screened: [ ]

Depth to consolidated rock: 37 ft [37] (60–63) Source of data: WELL CUTTINGS [C] (64)

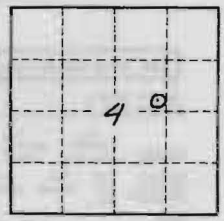
Depth to basement: [ ] ft (65–68) Source of data: [ ] (69)

Surficial material: LOESS [Q] (70–71) Infiltration characteristics: POOR [4] (72)

Coefficient Trans: [ ] gpd/ft (73–75) Coefficient Storage: [ ] (76–78)

Coefficient Perm: [ ] gpd/ft^2; Spec cap: [ ] gpm/ft; Number of geologic cards: [ ] (79)

CASING:
NO INFORMATION.



GPO 844-225