086-28W-14 ADDBB

WRD Exp. (GW)
Aug. 1964

Verified ERC Punched FCH

U. S. DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Water Resources Division Well Schedule Form

MASTER CARD

Record by D AARONSON Source of data FILE Date 11/30/65 Map LEHIGH, QUAD. 1:62,500

State IOWA [16] County (or town) WEBSTER [094]

Latitude: 42 15 45 N Longitude: 094 09 05 Sequential number: 1

Lat-long accuracy: 2 T 86 N, R 28 W, Sec 14, NWNW¼, SESE¼, NE¼ 5

Local well number: 086 28W 14 ADD BB Other number: W-0093 B & M

Local use: 00093 CITY 1 Owner or name: DAYTON, IA

Owner or name: DAYTON Address: DAYTON, IA

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

Use of water: (A) Air cond, (C) Comm, (D) Dewatering, (F) Fire, (H) Dom, (I) Irr, (N) Ind, (P) PS, (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 [0] Field aquifer char.

Hyd. lab. data:

Qual. water data; type: PARTIAL [P]

Freq. sampling: ORIGINAL [0] Pumpage inventory: yes / no, period:

Aperture cards: yes

Log data: GEOLOGIST LOG [G]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 688 ft 6 8 8 Meas. (rep) accuracy [6]

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

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

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)

Date Drilled: 1895 8 9 5 Pump intake setting: ft

Driller: SHAW (name), (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, gas, gasoline, hand, nat gas, LPG gas, wind; H.P. Trans. or meter no.

Descrip. MP: LSD ft above below lsd, Alt. MP 1119

Alt. LSD: 1119 Accuracy: (source) ALTIMETER [7]

Water Level 111 ft above (below) MP; Ft above (below) lsd Accuracy: DRILLER'S LOG [D]

Date meas: 1895 Yield: gpm Method determined

Drawdown: ft Accuracy: Pumping period hrs

QUALITY OF WATER DATA: Iron 2 ppm Sulfate 205 ppm Chloride 10 ppm Hard. 382 ppm [4]

Sp. Conduct K x 10^6 Temp. °F Date sampled ABOUT 1910

Taste, color, etc.

Well Number 42 15 45 N 094 09 05 (d m s S d m s)

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: CENTRAL LOWLAND [12] Section: WESTERN

LAKE [B] Drainage Basin: DES MOINES [2 5 B] Subbasin:

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

MAJOR AQUIFER: MISSISSIPPIAN system, LOWER series [M 1] HAMPTON FM aquifer, formation, group [K H]

Lithology: FINE LIMESTONE [2 C] Origin: MARINE [6] Aquifer Thickness: ft

Length of well open to: ft Depth to top of: 535 ft [5 3 5]

MINOR AQUIFER: system, series aquifer, formation, group

Lithology: Origin: Aquifer Thickness: ft

Length of well open to: ft Depth to top of: ft

Intervals Screened:

Depth to consolidated rock: 163 ft 1 6 3 Source of data: WELL CUTTINGS [C]

Depth to basement: ft Source of data:

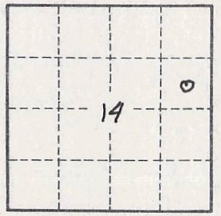
Surficial material: SANDY TILL [B T] Infiltration characteristics: POOR [4]

Coefficient Trans: gpd/ft Coefficient Storage:

Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards:

CASING:

NO INFORMATION



GPO 844-225