

Water Resources Division Well Schedule Form

MASTER CARD

Record by D. AARONSON Source of data FILE Date 7/6/65 Map 1:63 360

State IOWA County (or town) CALHOUN 13

Latitude: 42° 29' 12" N Longitude: 094° 30' 14" Sequential number: 7

Lat-Long RECORDED: 2 89 32 32 W W W NE NW 5

Local well number: 08932W326a6b Other number: W-3048

Local user: 09048 Owner or name: E. C. CLARK

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist. P

Use of water: (A) Air cond, (C) Comm, Dewatering, Fire, (D) Irr, (E) Ind, P & S, Stock, Instle, Unused 7

Use of well: (A) Amode, Drain, Seismic, Obs, Oil-gas, Recharge, Spring, Test, Unused, WILSON, Waste, Destroyed W

DATA AVAILABLE: Well data 3 Freq. W/L meas.: INVENTORY 8 Field aquifer char. 21

Hyd. lab. data: 25

Qual. water data, type: 26

Freq. sampling: 25 Pumpage inventory: 26 period: 27

Aperture cards: 28

Log data: GEOLOGIST LOG 6

WELL-DESCRIPTION CARD

TAPE AS ON MASTER CARD Depth well: 277 ft 277 Meas. 0

Depth cased (first part): 11 Casing type: 12 Diam. 13

Finish: (C) porous concrete, (F) gravel w. concrete, (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) perf., (K) screen, (L) sd. pt., (M) shored, (N) other 14

Method drilled: (A) air, (B) bored, (C) cable, (D) aug, (E) hot, (F) jetted, (G) air percussion, (H) rotary, (I) cover, (J) trenching, (K) driven, (L) drive wash, (M) other 15

Date drilled: 1957 9.5.7 Pump intake setting: 16

Driller: LESTER FOUTS ROCKWELL CITY, IOWA

Well type: (A) air, (B) bucket, (C) conz, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other 17 Deep 0 Shallow 40

Power type: (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hard, (F) gas, (G) wind, (H) H.P. 41 Prime or meter no. 42

Descrip. MP: LSD 0 (above) 1250 (below) 1250

Alt. LSD: 1250 1250 Accuracy: ALTIMETER 7

Water level: 32 ft above 132 below 3 Accuracy: DRILLER'S LOG 3

Date meas: 1957 5.7 Yield: 6 gpm 6 Method Determined 41

Drawdown: 10 ft 110 Accuracy: REPT. 6 Pumping period 42

QUALITY OF WATER DATA: Iron 43 Sulfate 44 Chloride 45 Hard. 46

Sp. Conduct 47 Temp. 48 Date sampled 49

Taste, color, etc. 50

Well Number 42 29 12 9001 39 14

HYDROGEOLOGIC CARD

SAME AS OR MASTER CARD: Physiographic Province: CENTRAL LOWLAND 1:2 Section: WESTERN

LAKE: Drainage Basin: RACCOON 2:5 H Subbasin:

Top of well site: local depression, flat surface, hilltop, hillside, terrace, valley flat,

MAJOR AQUIFER: MISSISSIPPIAN UPPER M:3 ST LOUIS LIMESTONE? M:1

Lithology: DOLOMITE 3:2 Origin: MARINE 3:6 Aquifer Thickness:

Length of well open to: ft Depth to top of: 265 ft 3:8

MINOR AQUIFER: system series aquifer, formation, group Aquifer Thickness:

Lithology: Origin: Aquifer Thickness:

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

Intervals Screened:

Depth to consolidated rock: 210 ft 3:10 Source of data: WELL CUTTINGS 3:4

Depth to basement: ft 3:11 Source of data:

Surficial material: Infiltration characteristics: POOR 3:12

Coefficient Trans: gpd/ft² 3:13 Coefficient Storage: 3:14

Coefficient Perm: gpd/ft²; Spec cap: 6 gpm/ft; Number of geologic cards:

CASING:

NO INFORMATION.

10		
	32	

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

9048

RECORD OF WELL

Location:

Town: Rockwell City (NE) (SW) : County Calhoun

NW, NE, NW 1/4 sec. 32 T. 89 N., R. 32 W. Twp.

Well name and number _____

Owner E.C. Clark Address Rockwell City

Tenant _____ Address _____

Contractor L. Fouts Address Rockwell City

Drillers _____

Drilling dates 1957

Well data:

Altitudes: Drilling curb _____ feet; Land surface 1250 feet

Determined by altimeter (PDR)

Topographic position _____

Total depth: Reported 277 feet, Measured _____ feet

Drilling method _____

Hole and casing data _____

Original depth to water 32 above ft. below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date _____
 Static water level 32 _____
 Measuring point _____
 Pumping water level 42 _____
 Yield (g. p. m.) 6 _____
 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 (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Laboratory Data

Well No. W 9048 Sample range 80-277 No. of samples 39
 No. of dupls. and cond. 39 Washed range 265-277
 Samples prepared by B. Sargent Date 10/25/57
 Logged by NORTHUP Date 11/4/57
 Correlations by _____ Date 11/4/59