

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 6/21/65 Map 1:63,360

State IOWA County CHEROKEE (or town) 18

Latitude: 42° 45' 08" N Longitude: 095° 33' 06" W Sequential number: 1

Lat-long accuracy: 2 sec 92 S, 40 E Sec 27 SE T. SE R. SE

Local well number: 09290W27d6d Other number: W-1464

Local use: 01404 INSTR 5 Owner or name: CHEROKEE STATE HOSP.

Owner or name: STATE HOSPITAL Address: CHEROKEE, IOWA

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist. 5

Use of water: (A) Air cond, Comm, Dewatering, Fire, Dom, Irr, Ind, P S, Stock, Instlt, Unused 7

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

C. FOL. ONLY

DATA AVAILABLE: Well data 5 Freq. W/L meas.: NONE N Field aquifer char. 73

Hyd. lab. data: 73

Qual. water data: type: NONE 74

Freq. sampling: 75 Pumpage inventory: yes 76 no 77 period: 78

Aperture cards: 79

Log data: GEOLOGIST LOG 80

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well: 216.5 ft 217 Meas. accuracy 6

Depth cased: (first perf.) 33 ft 33 Casing TYPE: 34 Diam. 35 in 36

Finish: porous gravel w. gravel w. horiz. open perf., screen, sd. pt., shored, open hole, concrete, (perf.), (screen), gallery, end, other 37

Method (A) (B) (C) (D) (H) (J) (P) (R) (T) (V) (W) (Z) 38

Drilled: air bored, cable, dug, hyd jetted, air reverse trenching, driven, drive wash, rot., percussion, rotary, other 39

Date Drilled: JUNE 1941 9:41 Pump intake setting: 36 ft 37

Driller: PIXLER & GRIFFITH

Lift (A) (B) (C) (J) multiple, multiple (type): air, bucket, cent, jet, (cent.) (turb.) manr, piston, rot, submers, turb, other 40 Deep 41 Shallow 42

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 43 Trans. or meter no. 44

Descrip. MP LSD 45 Ft. below lnd, Alt. MP 1192

Alt. LSD: 1192 46 Accuracy: 47 ALTIMETER

Water Level: 48 ft below MP; Ft. below lnd 49 Accuracy: 50

Date meas.: 51 Yield: 52 Method determined 53

Drawdown: 54 ft 55 Accuracy: 56 Pumping period 57 hrs 58

QUALITY OF WATER DATA: Iron 59 Sulfate 60 Chloride 61 Hard. 62

Sp. Conduct 63 K x 10⁶ 64 Temp. 65 66 Date sampled 67 68

Taste, color, etc. 69

Well Number 42 45 08 09533 06

HYDROGEOLOGIC CARD

SAVE AS ON MASTER CARD Physiographic Province: CENTRAL LOWLAND 1:2 Section: WESTERN

LAKE 5 Drainage Basin: LITTLE SIOUX 3:6:1 Subbasin: 26

Topo of well site: (D) (F) (H) (S) (T) (V) 27

MAJOR AQUIFER: CRETACEOUS LOWER 2:V DAKOTA SANDSTONE 3:1:1

Lithology: FINE SANDSTONE 2:V Origin: MARINE 6 Aquifer Thickness: 1

Length of well open to: 115 ft Depth to top of: 115 ft

MINOR AQUIFER: system series aquifer, formation, group 45 47

Lithology: 48 49 Origin: 50 Aquifer Thickness: 51

Length of well open to: 52 ft Depth to top of: 53 ft

Intervals Screened:

Depth to consolidated rock: 115 ft 40 41 Source of data: WELL CUTTINGS 4

Depth to basement: 42 43 Source of data: 44

Surficial material: SANDY TILL 45 Infiltration characteristics: POOR 46

Coefficient Trans: 47 gpd/ft Coefficient Storage: 48

Coefficient Perm: 49 gpd/ft² Spec cap: 50 gpm/ft; Number of geologic cards: 51

CASING - NO INFORMATION

SCREEN - 25' BRONZE SHUTTER
TYPE, .055" OPENINGS WITH
BRONZE PLATE ON BOTTOM AND
10" COUPLING ON TOP.

DEPTH OF SCREEN NOT GIVEN.

