

W&D Exp. (GW)  
April 1966

Well No. P159 Thornton

WL Data

### WELL SCHEDULE

**PUNCHED**

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD BE

12/2188

WL-58.21  
Pat. P.

Record by E. J. JOURNAL Source of data CM. JOURNAL Date 12-24-38 Map

State Illinois County (or town) Madison Sequential number: 1

Latitude: 33° 04' 49" N Longitude: 090° 01' 02" W

Lac-long accuracy: 1 T. 14 S. R. 1 E. Sec. 8 NW 1/4, SE 1/4, SW 1/4

Local well number: F159A40814N01W Other number: B & M

Local use: 037 Owner or name: M.L. Smith

Owner or name: M L SMITH Address: \_\_\_\_\_

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

Use of water: (A) Air cond, bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Inscit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other H

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

DATA AVAILABLE: Well data  Freq. W/L meas.:  Field aquifer char.

Hyd. lab. data:

Qual. water data; type:

Freq. sampling:  Pumpage inventory:  yes no, period: \_\_\_\_\_

Aperture cards:  yes

Log data:

### WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 159.7 ft Meas. 10

Depth cased: (first perf.) 155.7 ft Casing type: \_\_\_\_\_; Diam. 3 in

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

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

Date Drilled: 938 Pump intake setting: \_\_\_\_\_ ft

Driller: E. J. JOURNAL name address

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

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

Descrip. MP top of 3" pipe ft above LSD: \_\_\_\_\_ Alt. MP \_\_\_\_\_

Alt. LSD: 111.72 Accuracy: 111.2 (source)

Water Level 130.5 ft above below MP; Ft below LSD +130 Accuracy: \_\_\_\_\_

Date meas: 11-20-35 Yield: 70 gpm Method determined: 20

Drawdown: \_\_\_\_\_ ft Accuracy: \_\_\_\_\_ Pumping period: \_\_\_\_\_ hrs

QUALITY OF WATER DATA: Iron \_\_\_\_\_ ppm Sulfate \_\_\_\_\_ ppm Chloride \_\_\_\_\_ ppm Hard. \_\_\_\_\_ ppm

Sp. Conduct \_\_\_\_\_ K x 10<sup>6</sup> Temp. 55 °F Date sampled: \_\_\_\_\_

Taste, color, etc. \_\_\_\_\_

TRANSMITTED TO THE NATIONAL ARCHIVES

Well No.

P159

Well No. P159

Latitude-longitude 33.04.48<sup>0</sup> 090.19.22<sup>0</sup>

HYDROGEOLOGIC CARD

**MAJOR AQUIFER:** SAME AS ON MASTER CARD **Physiographic Province:** 03 Section: \_\_\_\_\_

**Drainage Basin:** E **Subbasin:** 156

**Topo of well site:** (D) depression, stream channel, dunes, (E) flat, (F) hilltop, (G) sink, (H) swamp, (I) offshore, (J) pediment, (K) hillside, (L) terrace, (M) undulating, (N) valley flat F

**MAJOR AQUIFER:** TE Mediana MW aquifer, formation, group

**Lithology:** LS Origin: 2 **Aquifer Thickness:** \_\_\_\_\_ ft

**Length of well open to:** \_\_\_\_\_ ft **Depth to top of:** \_\_\_\_\_ ft

**MINOR AQUIFER:** \_\_\_\_\_ aquifer, formation, group

**Lithology:** \_\_\_\_\_ Origin: \_\_\_\_\_ **Aquifer Thickness:** \_\_\_\_\_ ft

**Length of well open to:** \_\_\_\_\_ ft **Depth to top of:** \_\_\_\_\_ ft

**Intervals Screened:** 40' to 150' - 159'

**Depth to consolidated rock:** \_\_\_\_\_ ft **Source of data:** \_\_\_\_\_

**Depth to basement:** \_\_\_\_\_ ft **Source of data:** \_\_\_\_\_

**Surficial material:** \_\_\_\_\_ **Infiltration characteristics:** \_\_\_\_\_

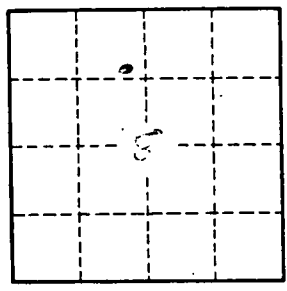
**Coefficient Trans:** \_\_\_\_\_ gpd/ft **Coefficient Storage:** \_\_\_\_\_

**Coefficient Perm:** \_\_\_\_\_ gpd/ft<sup>2</sup>; **Spec cap:** \_\_\_\_\_ gpm/ft; **Number of geologic cards:** \_\_\_\_\_

↑ N

THORNTON

50'



Well No. P159

7-12-74 W.L. = 88' NEW

WILCOX DATA SHEET-VERIFICATION CHECKLIST

COUNTY HOLMES

Thornton Qu. R

WELL OWNER m. L. Smith

CHECKED

U.S.G.S. NO. P-159

7/19/94

B.O.H. NO. x

OLWR NO. \_\_\_\_\_

LOCATION:

MAP NW, NE, SE, NW S8, T14N, R1W

7/19/94

GPS \_\_\_\_\_

ELEV. (MSL) 112'

7/19/94

W.L. (L.S.) (1) +54'

7/19/94

(2) \_\_\_\_\_

HEAD (MSL) +166'

7/19/94

SCREENED INTERVAL 1,557' - 1,597' (L.S.) / -1,445' - 1,485' (MSL)

7/19/94

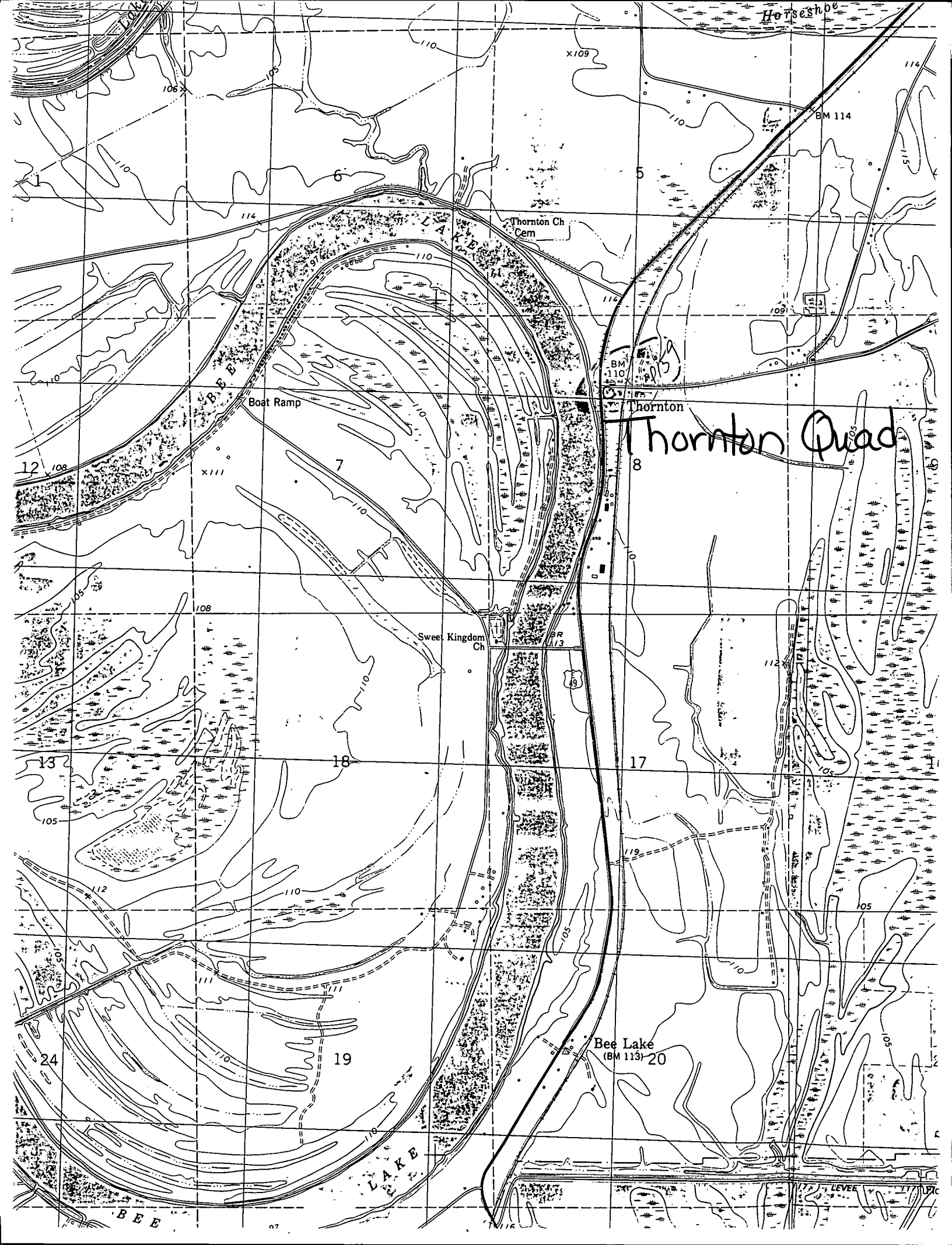
AQUIFER VERIFIED Meridian - upper Wilcox

7/19/94

PREVIOUS W.L. +58.21' (1988) / +88' (1974) / +130.5' (1938)  
+76.23' (1984)

7/19/94

DATA ENTERED \_\_\_\_\_



Thornton Quad

Bee Lake

Thornton Ch Cem

Boat Ramp

Sweet Kingdom Ch

Thornton

Bee Lake (BM 113-20)

12

13

24

7

18

19

8

17

X109

BM 114

BM 110

BR 113

112

105

105

BEE

LEVEL