

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by P.F.T. Source of data USGS Files Date 11-22-70 Map \_\_\_\_\_

State 28 County (or town) Illinois 22

Latitude: 33° 41' 48" N Longitude: 089° 43' 57" W Sequential number: 1

Lat-long accuracy: 20' T 21 S, R 6 W, Sec 7, NW 1, NW 1, SW 1

Local well number: J0023C0721NOSE Other number: A2 21155

Local use: 064 Owner of name: \_\_\_\_\_

Owner or name: U.S. ARMY Address: \_\_\_\_\_

Ownership: (C) County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist F

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) P S, (K) Rec, (L) Stock, (M) Instic, (N) Unused, (O) Reprressure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Other U

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed U

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

Hyd. lab. data: \_\_\_\_\_

Qual. water data; type: MEBH and USGS ? P

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

Aperture cards: \_\_\_\_\_ yes

Log data: \_\_\_\_\_

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: TD=429' ft 415 Meas. rept 6

Depth cased; (first perf.) \_\_\_\_\_ ft 396 Casing type: \_\_\_\_\_; Diam. 12.8 in 12

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

Method Drilled: (A) air rot., (B) bored, (C) cable, (D) dug, (E) hyd jetted, (F) air rot., (G) reverse, (H) trenching, (I) driven, (J) wash, (K) other H

Date Drilled: 6-42 942 Pump intake setting: \_\_\_\_\_ ft 198

Driller: Laine

Lift (type): (A) air, (B) bucket, (C) cent., (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot., (J) submerg, (K) turb, (L) other T Deep  Shallow

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

Descrip. MP Top air line 3.10 ft above LSD, Alt. MP 230.31

Alt. LSD: 227.21 227 Accuracy: (source) \_\_\_\_\_ 1

Water Level -0.95 ft above MP; Ft below LSD +2 Accuracy: \_\_\_\_\_ A

Date meas: 9-42 942 Yield: Flow 20 gpm 250 Method determined \_\_\_\_\_

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

QUALITY OF WATER DATA: Iron 0.2 ppm Sulfate 0.3 ppm Chloride 32 ppm Hard. 15-27 ppm

Sp. Conduct \_\_\_\_\_ K x 10<sup>6</sup> Temp. \_\_\_\_\_ °F 66 Date sampled 742

Taste, color, etc. pH 8.4 (USGS)

PUNCHED and VERIFIED  
ROLLA COMPUTATION BRANCH

Well No.

UL 10/11/88  
L-21.20

20-226 (USGS)

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: \_\_\_\_\_  
 Drainage Basin: D 15G Subbasin: \_\_\_\_\_

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (R) (K) (L) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat \_\_\_\_\_

MAJOR AQUIFER: TE Holly Springs TW  
 system series aquifer, formation, group  
 Lithology: S Origin: Z Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: 24 ft Depth to top of: 25 ft 390 ft

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: 390-415 f

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: \_\_\_\_\_

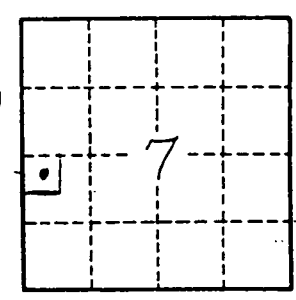
Coefficient Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: 1.8 gpm/ft; Number of geologic cards: \_\_\_\_\_

and 2.5

Pumping Tests

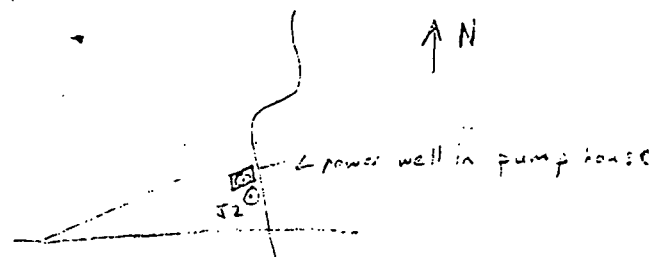
Pumped A2  $\pm 1$  I P  
 Test 1 2,260 60 (n=35)  
 Test 2 9,320 112

$S = 0.00043$



Fault barrier

11/15/32  
 J2 capped.



Well No. 52

meas. By SHD. 5/17/94

Observation Well

County GRENA DA

Well No. J 2

Owner's Name J W WILLIS, JR.

Location ELLIOT  
(town)

2.5 Mi. E  
(miles and direction from center of town)

Other description \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Depth 42.9 Diameter 12 Date drilled 1942

Formation Wilcox

Elev. of lsd 227 Recorder \_\_\_\_\_ Type \_\_\_\_\_ No. \_\_\_\_\_

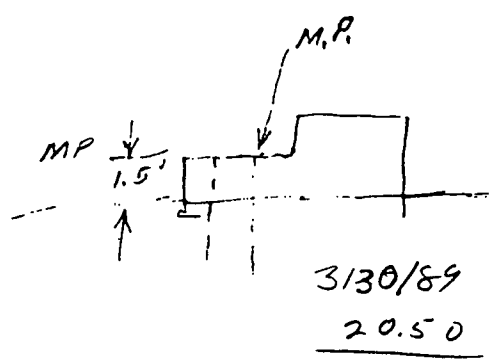
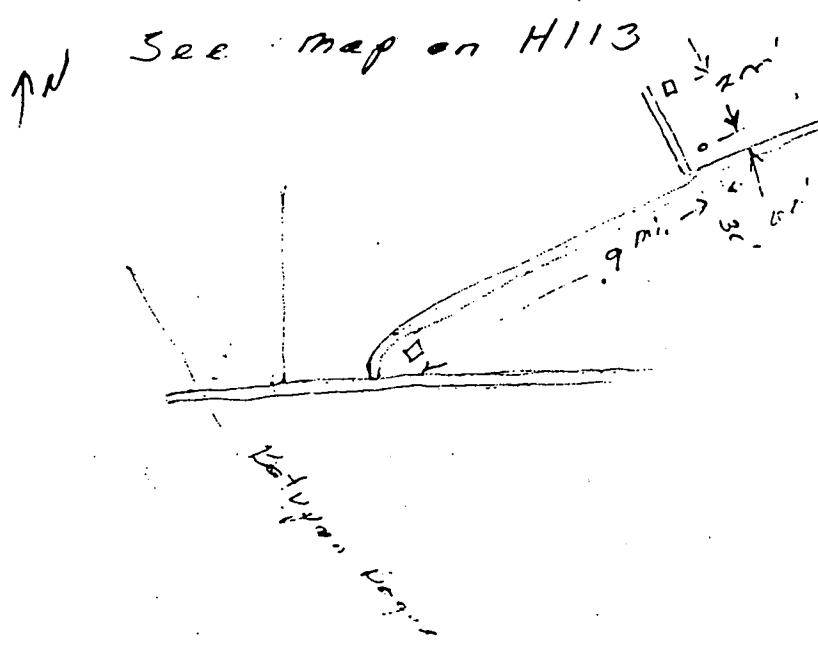
M.P. Top of concrete base at 1.5 ft <sup>above</sup> below lsd. Date 2/11/76

M.P. \_\_\_\_\_ at \_\_\_\_\_ ft <sup>above</sup> below lsd. Date \_\_\_\_\_

M.P. \_\_\_\_\_ at \_\_\_\_\_ ft <sup>above</sup> below lsd. Date \_\_\_\_\_

Special \_\_\_\_\_

Water Level 12, 1976  
Sketch of location \_\_\_\_\_ Sketch of well head 3/28/89  
W - 21.90



27.50  
3.20 gradient  
23.80  
1.50  
22.50

3/30/89  
20.50

WILCOX DATA SHEET-VERIFICATION CHECKLIST

COUNTY GRENADA

Duck Hill 0002

WELL OWNER J.W. Willis, Jr. (Obs. Well)

CHECKED

U.S.G.S. NO. J-2

9/21/94

B.O.H. NO. None

9/21/94

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

\_\_\_\_\_

LOCATION:

MAP NW, NW, SW S 7, T 21 N, R 6 E

9/21/94

GPS \_\_\_\_\_

\_\_\_\_\_

ELEV. (MSL) 227'

9/21/94

W.L. (L.S.) (1) - 25.23'

9/21/94

(2) - 25.22'

9/21/94

HEAD (MSL) + 201.77'

9/21/94

SCREENED INTERVAL 390' - 415' (LS) / -163' - -188' (MSL)

9/21/94

AQUIFER VERIFIED Middle Wilcox

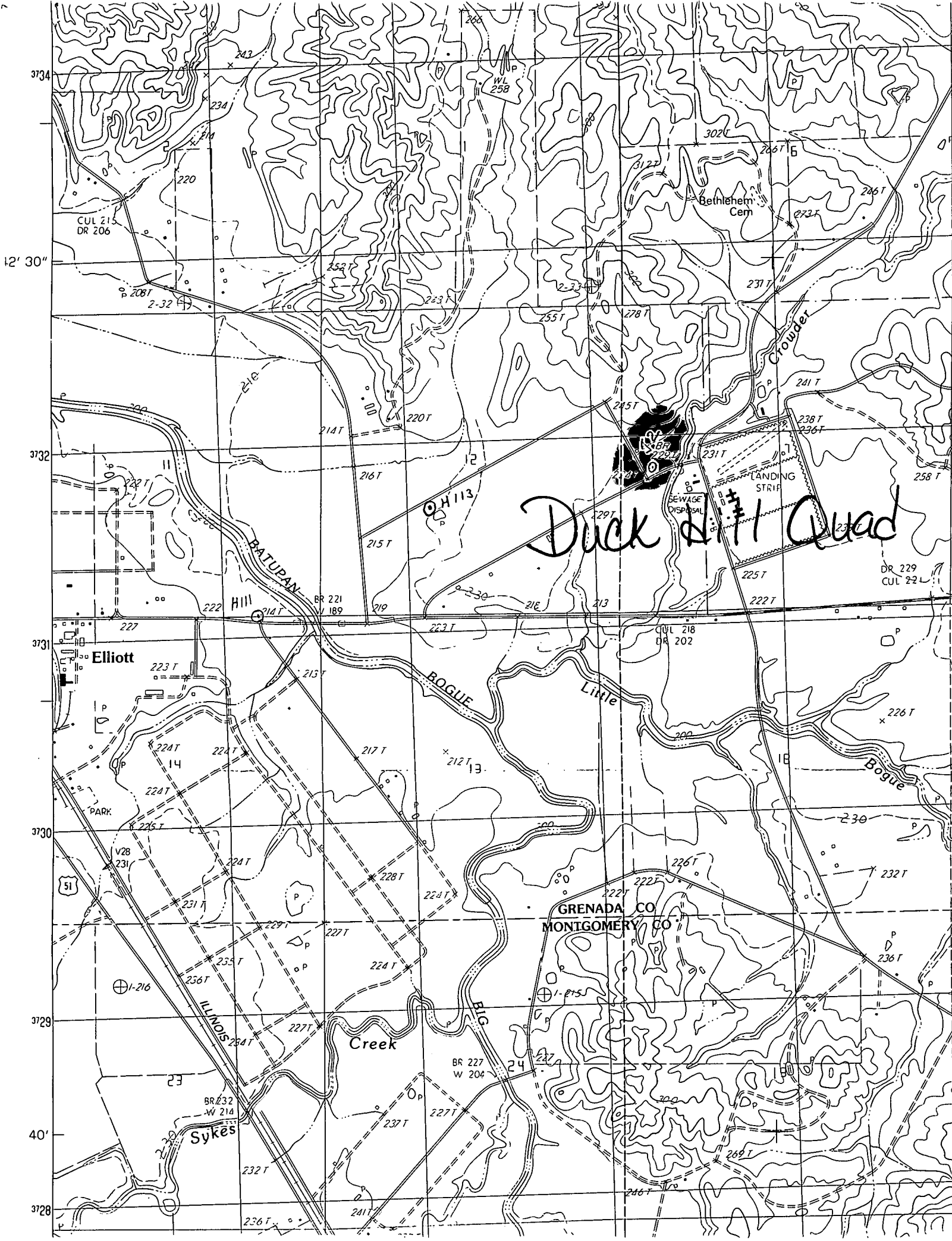
9/21/94

PREVIOUS W.L. -21.9' (1990) / -20.5' (1989) / -21.2' (1988) / -12' (1976) / +2' (1982)

9/21/94

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

\_\_\_\_\_



Duck Hill Quad

GRENADA CO  
MONTGOMERY CO

12' 30"

40'

3734  
3732  
3731  
3730  
3729  
3728

Hill

Elliott

PARK

Sykes

Creek

BOGUE

Little

Bogue

Bethlehem Cem

SEWAGE DISPOSAL

LANDING STRIP

Crowder

CUL 215  
DR 206

CUL 218  
DR 202

DR 229  
CUL 224

BR 227  
W 204

BR 232  
W 214

V28  
231

1-215

1-216

H 113

El 121

200

242

234

220

208T

200

227

223T

224T

220T

231T

232T

236T

252T

214T

216T

215T

219

213T

217T

228T

224T

227T

237T

241T

220T

222T

223T

224T

227T

228T

232T

236T

255T

278T

245T

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217T

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