

WRD Exp. (GW)  
April 1966

Well No. G1

### WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED and VERIFIED  
ROLLA COMPUTATION BRANCH

#### MASTER CARD

Record by J.A. Callahan Source of data W.M. Bravens Date 12-6-66 Map Decatur NE  
Hitt, Boswell & Lang 2-18-57

State Miss County 28 (or town) Newton Sequential number: 51

Latitude: 32° 26' 17" N Longitude: 089° 06' 30" W Sequential number: 1

Lat-long accuracy: 7° 12' 19" S, R 12' 19" W, Sec 19, SW 1, NE 1

Local well number: 000141907N12E Other number: Well No. 1

Local use: 064 Owner or name: City of Decatur

Owner or name: DECATUR Address: Decatur Miss

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

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

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

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

Hyd. lab. data:

Qual. water data; type: USGS Complete 2-15-67

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

Aperture cards:  yes

Log data:

#### WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 310 ft Meas. 310 Drillers 3  
 (first perf.) 290 ft Casing type: Steel ; Diam. 4 in accuracy

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

Method Drilled: air rot, (R) bored, cable, dug, (R) hyd, jetted, air perc., reverse, air percussion, rotary, trenching, driven, drive wash, other H

Date Drilled: 1929 9-29 Pump intake setting: 36 ft

Driller: Layne Central Co, Jackson Miss

Lift (type): air, bucket, cent, jet, multiple, multiple, none, piston, rot, submerg, (T) turb, other 7 Deep 0 Shallow 0

Power (type): diesel, (elec) nat gas, gasoline, hand, gas, wind; H.P. 20 V Trans. or meter no. 41

Descrip. MP 430 ft above LSD. Alt. MP 430 Accuracy: CI, 10'

Alt. LSD: 430 ft above MP; 80 ft below LSD Accuracy: 6

Water Level: 80 ft above MP; 80 ft below LSD Accuracy: 6

Date meas: 1959 5-9 Yield: 226 gpm Method determined 61

Drawdown: 62 ft Accuracy: 65 Pumping period: 66 hrs 68

QUALITY OF WATER DATA: Iron 3.9 ppm Sulfate 10 ppm Chloride 3.6 ppm Hard. 40 ppm 2

Sp. Conduct 133 K x 10 68 Temp. 68 °F Date sampled 267

Taste, color, etc. 77 79

130  
210  
120

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HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: Coastal Plain Section: East Gulf

Coast Drainage Basin: 13P Subbasin:   

Top of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (C) (E) (F) (H) (K) (L) (S) hillside, (T) terrace, (U) undulating, (V) valley flat

MAJOR AQUIFER: Tertiary system, Eocene series, TE aquifer, Wilcox formation, Meridian group, NW aquifer, formation, group

Lithology: Coarse Sand Origin:    Aquifer Thickness:    ft  
Length of well open to:    ft Depth to top of:    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:

Depth to consolidated rock: ft Source of data:

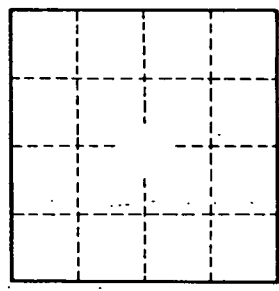
Depth to basement: ft Source of data:

Surficial material: Sandy clay Infiltration characteristics: Good

Coefficient Trans: gpd/ft Coefficient Storage:

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

20" pressure 260 gpm.  
0" 313 gpm.  
10" 289 gpm.  
30" 226 gpm. } 1959 Test of well



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