

SITE ID 3 22627 08906 32 01

WRD Exp. (GW)  
April 1966

Well No. G 3

1975  
PUNCHED

GW 01529

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION 2338

0510004-01

PA by Grner 11/10/63

MASTER CARD

Record by J.A. Callahan Source of data J.W. Thrash Date 12-6-66 Map Decatur Adv. ~~NE~~ OK

State Miss County (or town) Newton QUAD 51

Latitude: 32 26 27 N Longitude: 089 06 32 Sequential number: 1

Lat-long accuracy: 1 7 N 12 E 19 W Sec 19 NW & NE SW/NW/NE

Local well number: G 003 BA 19 07 N 12 E Other number:

Local use: 064 067 4.6 Owner or name: City of Decatur

Owner or name: DECATUR Address: Decatur Miss

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

Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, SB MUX

water: (S) (T) (U) (V) (W) (X) (Y) (Z) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other; Other P

Use of well: (A) (D) (G) (H) (I) (P) (R) (T) (U) (W) (X) (Z) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw Waste, Destroyed W

DATA AVAILABLE: Well data 1 Freq. W/L meas.: Field aquifer char. Z

Hyd. lab. data:

Qual. water data; type: MSBOW Complete 2-20-67 C

Freq. sampling: Pumpage inventory: yes no period: 76

Aperture cards: yes 77

Log data: Drillers log D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 323 ft 323 Meas. rep. Drillers log 3

Depth cased: 286 ft 286 Casing type: Steel Diam. 12x8 in 12

Finish: porous gravel v. concrete, (perf.) gravel v. (screen), (H) horiz. gallery, end, (I) open perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other G

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

Date Drilled: 5/66 966 Pump intake setting: ft 30 38

Driller: Layne Central Co name address

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

Power (type): diesel, elec, nat gas, gasoline, hand, gas, wind; H.P. 25 Trans. or meter no. V

Descrip. MP 425 ft above below LSD. Alt. MP

Alt. LSD: 415 415 Accuracy: (source) CI 10' Topo Map. 4

Water Level: 82 ft above below MP; Ft below LSD 89 Accuracy: 52 A

Date meas: 4-1-66 N 19 Yield: 212 gpm 212 Method determined 4

Drawdown: ft Accuracy: Pumping period hrs 1

QUALITY OF WATER DATA: Iron 1.0 ppm 4 Sulfate 19 ppm 1 Chloride 9.0 ppm 0 Hard. 42 ppm 2

Sp. Conduct 155 K x 10^6 2 Temp. 69 F 69 Date sampled 267

Taste, color, etc.

PUNCHED and VERIFIED  
ROLLA COMPUTATION BRANCH

Well No. 1

Well No. G3

Latitude-longitude 32 26 27 <sup>N</sup> 089 06 32  
d m s d m s

HYDROGEOLOGIC CARD

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

D Drainage Basin: 13P Subbasin: \_\_\_\_\_

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

MAJOR AQUIFER: Tertiary system Eocene series TE aquifer, formation, group Wilcox meridian MW

Lithology: Coarse Sand Length of well open to: 20 ft. Origin: 45 Aquifer Thickness: 36 ft.

36 Length of well open to: 20 ft. 20 Depth to top of: 2 ft. 285

MINOR AQUIFER: \_\_\_\_\_

Lithology: \_\_\_\_\_ Length of well open to: \_\_\_\_\_ ft. Depth to top of: \_\_\_\_\_ ft.

Intervals Screened: 286 - 306 8"

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

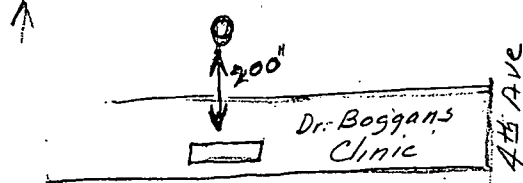
Depth to basement: \_\_\_\_\_ ft. Source of data: \_\_\_\_\_

Surficial material: Sandy Clay Infiltration characteristics: 8P

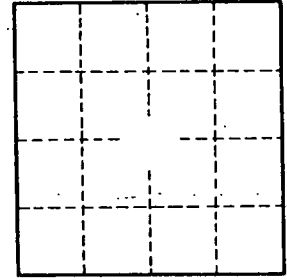
Coefficient Trans: \_\_\_\_\_ gpd/ft. Coefficient Storage: \_\_\_\_\_

Coefficient Perm: 250 gpd/ft<sup>2</sup>; Spec cap: 4.6 gpm/ft; Number of geologic cards: \_\_\_\_\_

25 hp.  
Sp. Cond. 155 T 69° F well had run  
Pumping  
212 gpm @ 42# (20' of 8" screen)



- Sandy clay 5 - 5
  - White sd & gravel 5 10
  - Sandy clay 34 44
  - black clay 36 - 80
  - Rock shale stks 9 - 89
  - hard-brittle clay 18-107
  - rock 2 - 109
  - hard lime 3 - 112
  - rock 1 - 113
  - hard lime 14 - 127
  - shale - sd stks 23 - 150
  - hard-shale rock stks 135 - 285
- Coarse Sand 10 - 295
  - do 26 - 321
  - hard shale 1 - 322



Well No.

G3



**Department of Environmental Quality  
Office of Land and Water Resources**

**Ground Water Permit  
General Report**

**Permit Number: MS-GW-01529**

**County:** NEWTON

**Owner:** DECATUR, TOWN OF

**Aquifer:** MUWX

**USGS No:** G0003

**BOH No:** 0510004-01

**Location:** NW 1/4 of the NE 1/4 of SEC 19 TWN 07N RNG 12E **Lat:** 322624 **Long:** 890629

**Quad:** DECATUR

**District:** N/A

**Date Issued:** 11-MAR-86

**Date Renewed:** 26-MAR-96

**Date Expired:** 11-MAR-06

**Applicant:** DECATUR, TOWN OF

**Owner:** DECATUR, TOWN OF

**Address 1:** P. O. BOX 307

**Address 1:** P. O. BOX 307

**Address 2:** N/A

**Address 2:** N/A

**Address 3:** N/A

**Address 3:** N/A

**City:** DECATUR

**City:** DECATUR

**State:** MS **Zip:** 39327

**State:** MS **Zip:** 39327

**Driller:** LAYNE CENTRAL

**Maximum Rate:** 350

**Amount Withdrawn Acre feet:** 0

**Amount Withdrawn Mgd:** 0

**Use**

STANDBY  
MUNICIPAL

**Casing**

**Type:** STAINLESS STEEL  
**Diameter:** 12  
**Length:** 286

**Screen**

**Type:** STAINLESS STEEL  
**Diameter:** 0  
**Length:**

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart / Everett DATE: 4/22/98

UNIT DEQ #: \_\_\_\_\_ FILE #: A042221A

HEALTH DEPT. #: 510004-01 ELEV. 425

USGS #: 63 OLWR #: GW1529

OWNER: Town of Decatur Water Dept.

LOCATION: NW NE S 19 T 7N R 12E COUNTY: Newton

LOCATION DESCRIPTION: \_\_\_\_\_

CASING DIA: 10" PUMP TYPE & SIZE: Turbine 20 HP

GPS FIELD LOCATION: LAT. 32° 26.300' LONG. 89° 06.521'

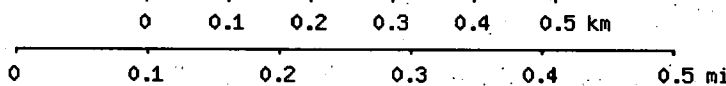
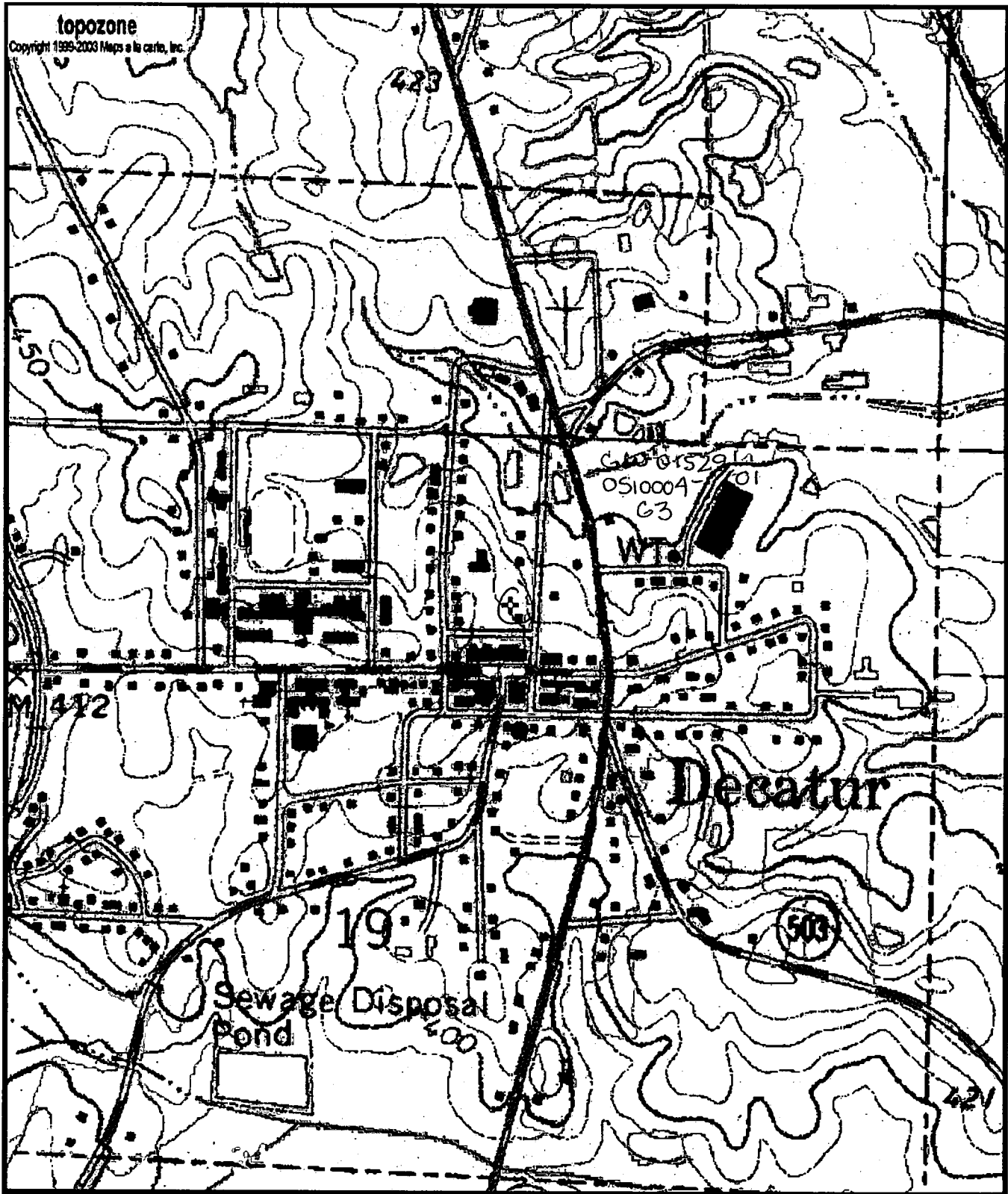
GPS CORRECTED LOCATION: LAT. 32.440071 LONG. 89.108563

REMARKS: North of Clinic, which is on the  
NW corner of 4<sup>th</sup> Ave. and Eight St

NEW0498

32 26 24  
89 06 31





Map center is 32° 26' 24"N, 89° 06' 31"W (WGS84/NAD83)

Decatur quadrangle

Projection is UTM Zone 16 NAD83 Datum

M=-0.323  
G=-1.132

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**USGS Decatur, Mississippi, United States 09 Mar 1996**



0 200M

0 200yd

Image courtesy of the U.S. Geological Survey

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