

WRD Exp. (GW)  
April 1966

# REPLACEMENT WELL SCHEDULE

Well No. K 41

U. S. DEPT. OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

**GW 01461 0510009-02**

MASTER CARD

Record by J. HARRELL Source of data BOWC Date 6/11/68 Map NEWTON QUAD 233C

State 18 28 County (or town) NEWTON 51

Latitude: 32 19 03 N Longitude: 08 9 10 W Sequential number: 5

Lat-long accuracy: 3 T. 6 S. R. 11 W. Sec 34 NE 1/4 SW 1/4 NW 1/4

Local well number: K 0 4 1 C B 3 4 0 6 N 1 1 E Other number: B & M

Local use: 064 369 69 Owner or name: Town of Newton

Owner or name: NEWTON Address: \_\_\_\_\_

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

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

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 W

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

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

Qual. water data; type: MSBOW

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

Aperture cards: \_\_\_\_\_ yes  no

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

## WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 311 ft Meas. rept 311 accuracy 3

Depth cased: 271 ft Casing type: steel Diam. 18x10 in 18

Finish: porous concrete, gravel w. concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Z) other 5

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

Date Drilled: 4/68 968 Pump intake setting: \_\_\_\_\_ ft \_\_\_\_\_

Driller: \_\_\_\_\_ name \_\_\_\_\_ address \_\_\_\_\_

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): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 50  Trans. or meter no. \_\_\_\_\_

Descrip. MP air out at 1.5 ft 425 ft below 425 Alt. MP \_\_\_\_\_

Alt. LSD: 400 Accuracy: (source) 6

Water Level: 100 ft above MP; 100 ft below LSD Accuracy: \_\_\_\_\_

Date meas: 4/68 468 Yield: 510 gpm Method determined 4

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

QUALITY OF WATER DATA: Iron 3 ppm Sulfate 9.9 ppm Chloride 7.0 ppm Hard. 86 ppm

Sp. Conduct 970 K x 10<sup>6</sup> Temp. \_\_\_\_\_ °F Date sampled \_\_\_\_\_

Taste, color, etc. PH=6.2 TS=126

11/01/89  
116.40

PUNCHED and VERIFIED  
ROLLA COMPUTATION BRANCH

12/19/80  
110  
9.25  
100.95  
MP 1.5  
99.45  
425  
99  
326

WELL NO.

K 41

Well No. K 411

Latitude-longitude \_\_\_\_\_  
N  
S  
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, hilltop, sink, swamp, (E) (F) (H) (K) (L) (O) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat \_\_\_\_\_

MAJOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series TE \_\_\_\_\_ aquifer, formation, group SS

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

40 Length of well open to: \_\_\_\_\_ ft 40 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: 10" Bronze 18x10

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

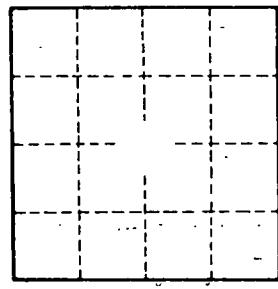
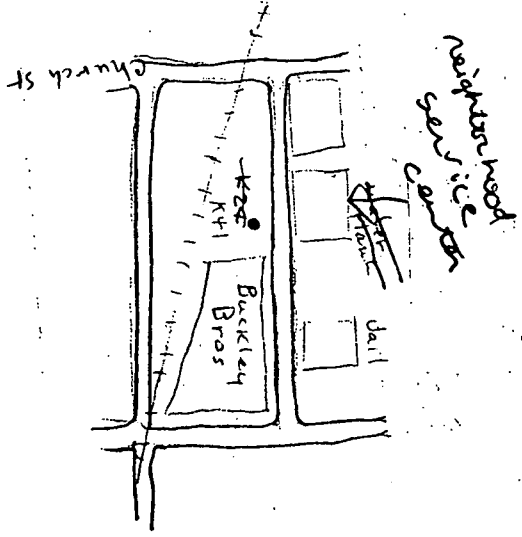
Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

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

Coefficient Trans: \_\_\_\_\_ gpd/Et 303 Coefficient Storage: \_\_\_\_\_

Coefficient Perm: 750 gpd/ft<sup>2</sup>; Spec cap: 6.9 gpm/ft; Number of geologic cards: \_\_\_\_\_

Well pumped during Test 360 gpm, projected DD at end 1440 min. 52.07'



Well No. \_\_\_\_\_

K 411

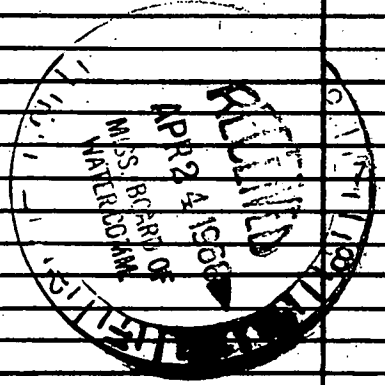
NEWTON  
K 40  
4-68

MISSISSIPPI  
BOARD OF WATER COMMISSIONERS  
416 North State Street  
Jackson, Mississippi 39201

WATER WELL DRILLERS LOG

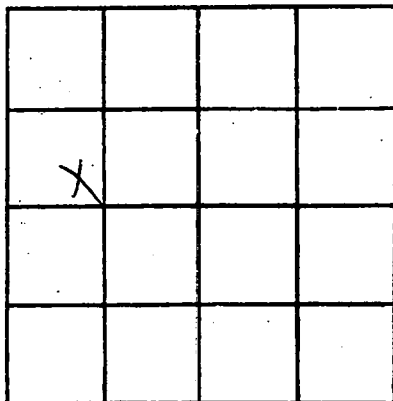
4-15 1968 Layne Central Co. Newton  
date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
<u>City of Newton, Miss</u> (mailing address)			
	<u>Yellow Clay</u>	<u>4</u>	<u>18</u>
	<u>Hard Blue Clay</u>	<u>18</u>	<u>201</u>
WELL LOCATION: <u>across the street</u> sec <u>34 T 6 N</u> R <u>11 E</u> <u>from water works</u>	<u>Sandy Clay</u>	<u>201</u>	<u>234</u>
	<u>Sand</u>	<u>234</u>	<u>310</u>
	<u>Clay streaks of fine sand</u>	<u>310</u>	<u>324</u>
WELL PURPOSE: <u>Municipal</u> (home, irrigation, municipal, industrial)			
WELL COMPLETION DATA:			
(1) diameter (inches) <u>18"</u>			
(2) total depth (feet) <u>311'</u>			
(3) static water level (feet) <u>100'</u> below top of ground.			
(4) casing <u>Steel</u> , <u>260'</u> (material) (depth)			
<u>18"</u> If telescope see back. (size)			
(5) screen <u>40'</u> , <u>265'</u> (length) (depth to top)			
<u>10"</u> , <u>BRONZE</u> (size) (material)			
(6) pump <u>50</u> (HP) (yield gpm)			
<u>Electric</u> (type power)			
(7) electric log <u>no</u> (yes or no)			
(organization running log)			
(8) how well bottom plugged <u>None</u>			
DRILLERS REMARKS: <u>Pump not set as of this date,</u> <u>Final test not run</u>			



If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION

A series of 20 horizontal lines providing space for additional information.

If more than one screen, show locations of each on sketch.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAR / DRB DATE: 7/18/94

UNIT DEQ #: 82859 FILE #: 4071814C

HEALTH DEPT. #: 510009-02 ELEV. 450

USGS #: K-41 OLWR #: 6W 01461

OWNER: City of Newton

LOCATION: S 34 T6N R 11E COUNTY: Newton

LOCATION DESCRIPTION: N. end of <sup>mgc/newton</sup> cheese plant and  
S. of <sup>w</sup> church St.

CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: \_\_\_\_\_

GPS FIELD LOCATION: LAT. 32-19-266N LONG. 89-09-842W

GPS CORRECTED LOCATION: LAT. 32.321606 LONG. 89.164488

REMARKS: Across street from well #1 on MOROE  
St.

*Newton Quad*

32 19 18  
89 09 52

Department of Environmental Quality  
Office of Land and Water Resources

Ground Water Permit  
General Report

Permit Number: MS-GW-01461

County: NEWTON

Owner: NEWTON, CITY OF

Aquifer: SPRT

USGS No: K0041

BOH No: 0510009-02

Location: SW 1/4 of the NW 1/4 of SEC 34 TWN 06N RNG 11E Lat: 321915<sup>8</sup> Long: 890953<sup>2</sup>

Quad: NEWTON

District: N/A

Date Issued: 11-FEB-86

Date Renewed: 12-MAR-96

Date Expired: 11-FEB-06

Applicant: NEWTON, CITY OF

Owner: NEWTON, CITY OF

Address 1: P. O. BOX 300

Address 1: P. O. BOX 300

Address 2: N/A

Address 2: N/A

Address 3: N/A

Address 3: N/A

City: NEWTON

City: NEWTON

State: MS Zip: 39345

State: MS Zip: 39345

Driller: LAYNE CENTRAL CO.

Maximum Rate: 500

Amount Withdrawn Acre feet: 190.4543

Amount Withdrawn Mgd: .17

Use

MUNICIPAL

Casing

Type: STEEL

Diameter: 18

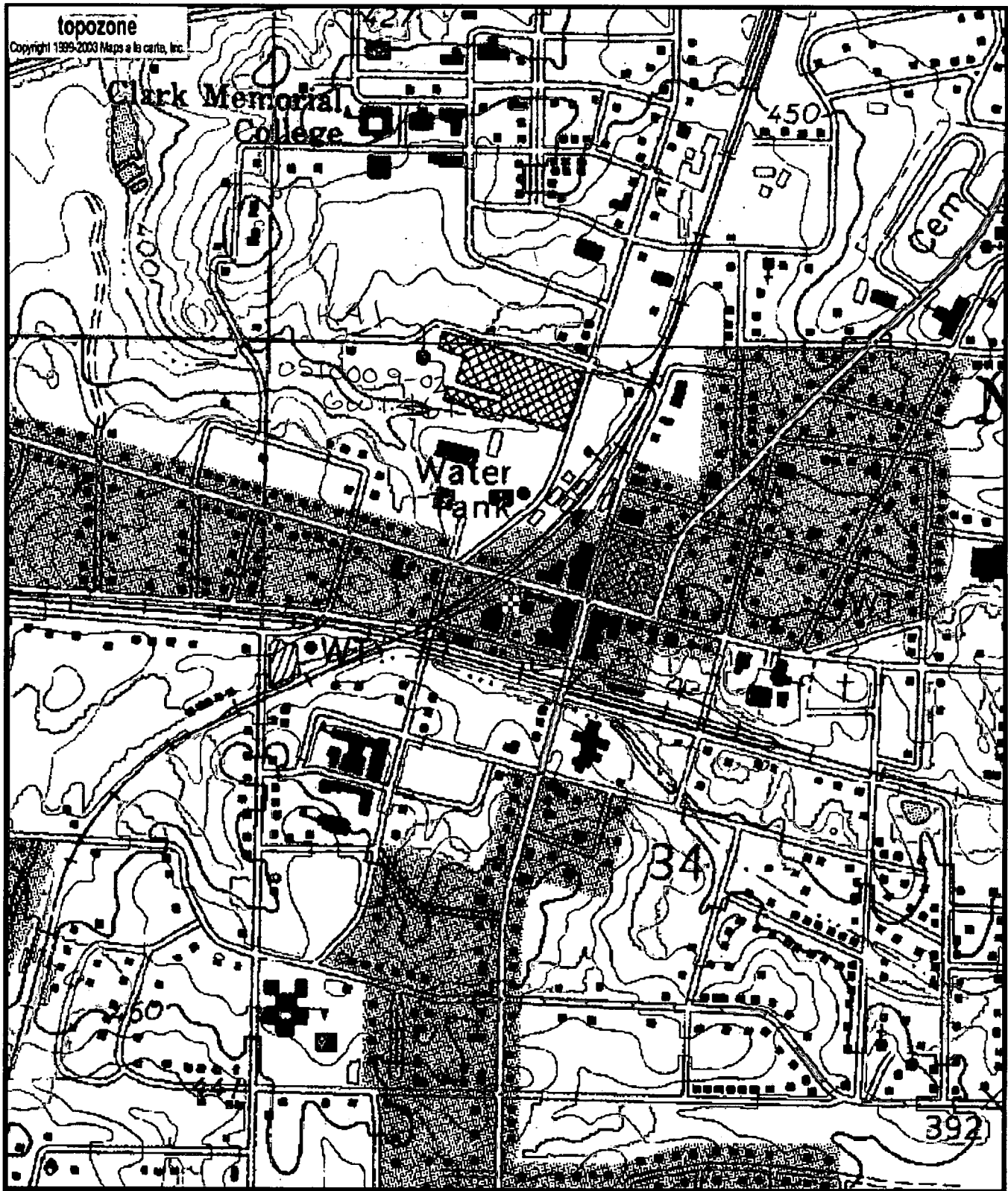
Length: 260

Screen

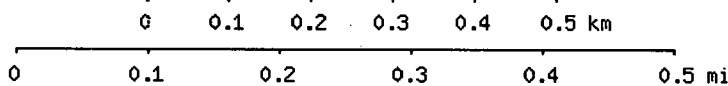
Type: STAINLESS STEEL

Diameter: 10

Length: 40



topozone  
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Map center is 32° 19' 18"N, 89° 09' 52"W (WGS84/NAD83)

**Newton** quadrangle

Projection is UTM Zone 16 NAD83 Datum



M=-0.267  
G=-1.158

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**USGS Newton, Mississippi, United States 10 Mar 1996**



0 100M

0 100yd

Image courtesy of the U.S. Geological Survey

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