

by: BBB 11/03
 by: 052404 0510004-03
 U.S. Geological Survey
 Water Resources Division
 Mississippi District
 Well Record

Decatur ^{11/12} Quad Well No. 660
 E-Log No. _____
 County NEWTON 23313
 Agency _____

Agency Code: J S G S Site ID: 1=322630089063101 Project No. (12 chara.): 5=

Station Name: 60060 X X N E W T O N C O Station Type: 802= Y

Nst. Code: 28 State Code: 28 County Code: 101 Latitude: 9=322630 Longitude: 10=0890631 Lat/Long Acc.: 11=S Lat/Long Meth.: 35=G

11. L/L Acc—1=+/-1 sec, 5=+/-5 sec, S=+/-1sec(GPS), F=+/-5sec, T=+/-10 sec, M=+/-1 min
 15. L/L Meth—D=DGPS, G=GPS, L=Loran, M=MAP, S=Survey, U=Unknown
 if determined from topo 1/2 contour interval

Lat/Long Datum (NAD27 or NAD83): 6=N A D 8 3 Altitude: 460 Accuracy: 18=5 Method Meas.: 17=M Altitude Datum (NGVD29 or NAVD88): 22=N G V D 2 9

and Net Loc. Meridians—I=Chickasaw, O=Choctaw, H=Huntsville, S=St. Stephens, W=Washington
3=N E N W N W S X 1 9 T 0 7 W X X R 1 2 E X X 0 Hydrologic Unit: 20=03170001

Gr. Time: 813=CST Loc. Time: 814=Y Location Map: 14=DECATUR Agency Use: 803=0 Date Invented: 711=

Station Remarks Field (50 chara.)—33 spaces shown: 10' W OF ELEVA. ED TANK

Web-R: 21W X Reliability: 3=C L M (U) Date of Construction: 21=04012003 Well Use: 23=W Water Use: 24=P MU

Primary Aquifer: 14=124WLCX L Hole Depth: 27=1564. * Well Depth: 28=1490. *

Construction Data: 58=T=A 723 #1 Construction Date: 60=04012003 Contractor: 63=0064 Name: LAYNE Method: 65=H Finish: 66=G

Construction Casing Data: 76=T=A 725 #1 59 #1 Top of Casing: 77=0. * Bottom of Casing: 78=1385. * Diameter: 79=12. * Material: 80=S *

Construction Casing Data: 76=T=A 725 #1 59 #1 Top of Casing: 77=1307. * Bottom of Casing: 78=1390. * Diameter: 79=8. * Material: 80=S *

Construct. Openings Data: 82=T=A 726 #1 59 #1 Top / Depth: 83=1390. * Bottom / Depth: 84=1490. * Diameter: 87=8. * Material: 86=S * Type: 85=R * Width: 88=.030 *

Construct. Openings Data: 82=T=A 726 #2 59 #1 Top / Depth: 83= Bottom / Depth: 84= Diameter: 87= Material: 86= Type: 85= Width: 88=

F-fractured rock, M-mesh screen, P-perforated, R-Wire-wound, S-screen, T-sand point, X-open hole (For other types see manual)
 G-galv. iron, P-pvc/plastic, R-stainless steel, S-steel

Construction Lift Data: 42=T=A 254 #1 Lift Type: 43=T DATE: 38=04012003 Intake: 44=240

Power Type: 15=L D=diesal, E=elect., G=gasoline, L=LP gas, N=nat. gas, W=windmill
 Horse Power: 46=50. * Serial No.: 49=

Misc Owner Data: 158=T=A 718 #1 Date of Ownership: 159=04012003

Owner Name—(Max of 64 characters—34 shown): 161=T O W N O F D E C A T U R

Phone Number: 351= Street Address (max. of 64 characters): 353=P.O. BOX 307 City: 355=DECATUR

State: 356=MS Zip Code: 357=39327

358=USA

Islc Other ID Data**E-Log No.****Assigner**

189 T=A 736 #1

190= [] [] [] [] *

191= M I S S D I S T

Islc Logs Data**Log Type****Beg. Depth****End Depth****Format**

198 T=A 739 #1

199= DR

200= [] [] [] [] [] 0.

201= [] [] [] [] [] 1 5 6 4.

225= F

226= USGS Files

Log Type**Beg. Depth****End Depth****Source**

198 T=A 739 #2

199= [] [] [] [] [] []

200= [] [] [] [] [] [] [] []

201= [] [] [] [] [] [] [] []

225= F

226= USGS files

Islc. Network Data

706= QW, WL, WD *

Beg. of Year**End of Year****Agency Source****Freq.**

114 T=A 730 #1

115= [] [] [] [] [] []

116= [] [] [] [] [] []

120= A

117= [] [] [] [] [] []

118= [] [] [] [] [] []

Beg. of Year**End of Year****Agency Source****Freq.**

121 T=A 730 #2

115= [] [] [] [] [] []

116= [] [] [] [] [] []

120= A

117= [] [] [] [] [] []

118= [] [] [] [] [] []

Islc Remarks Data**Date of Remarks****Remarks--(Max. of 44 characters) 16 SHOWN**

183 T=A 311 #1

184= 0 4 0 1 2 0 0 3

185= M S G W 1 5 7 9 5

Ischarge Data**Date****Type****Discharge**

146 T=A

Pump/Flow

147 #1

148= 0 4 0 1 2 0 0 3

703= (P) F *

150= [] [] [] [] [] [] 5 0 6 . *

leth. Disc.**Duration****Specific Cpacity****Drawdown**

152= R

157= [] [] [] [] [] [] 4 *

272= [] [] [] [] [] [] [] [] *

309= [] [] [] [] [] [] [] [] 7 *

hydrologic Data**Depth-Top of Interval****Depth-Bottom of Interval****Aquifer Code**

90 T=A 721 #1

91= 1 3 5 0 . *

92= 1 5 3 5 . *

93= [] [] [] [] [] [] 1 2 4 . W L C X L *

draulic Data**Hydraulic Unit ID****Unit Type**

98 T=A 790 #1

Unit Tested

100= [] [] [] [] [] [] [] [] [] [] [] []

103= [] [] [] [] [] [] [] [] [] [] [] []

304= P

istorical Water Level Data**Date****Water Level****Method of Meas.****Source****Source Agency**

234 T=A 235#

0 4 0 1 2 0 0 3

243= L

237= [] [] [] [] [] [] [] [] 1 5 3

239= R

244= D

247= MS008

A-gov., D-driller, G-geologist, L-logs, M-memory;
O-owner, R-other reported, S-reporting agency, Z-other

operator's Remarks (DEQ's Permit #) (25 chara)

18 = []

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Top Soil	0	3
Red Clay & Sand	3	30
Sand & Lignite	30	80
Clay	90	141
Rock	141	143
Clay	143	170
Sandy Clay, Rock	170	316
Sand	316	368
Clay	368	526
Shale, Hard & Sandy Streaks	526	917
Hard Shale	917	1019
Rock	1019	1020
Shale	1020	1098
Sand	1098	1116
Clay & Hard Streaks	1116	1160
Sandy Clay	1160	1255
Hard Clay & Shale Streaks	1255	1270
Sandy Clay	1270	1316
Hard Clay & Shale Streaks	1316	1320
Clay & Sand Streaks	1320	1350
Hard Clay	1350	1365
Sand	1365	1535
Clay	1535	1664

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

P. O. Box 10631
Jackson, MS 39289-0631

WATER WELL DRILLERS LOG

COUNTY WELL LOCATED Newton	
WELL NUMBER 3	CODED
PERMIT NUMBER MS-GW-15795	
NAME OF DRILLING FIRM Layne-Central	
DATE WELL COMPLETED April 2003	
Location Jackson, MS	

NAME & ADDRESS OF LANDOWNER Town of Decatur			
PO Box 307			
Decatur, MS 39327			
LATITUDE	N 32.44376		
LONGITUDE	W 089.10874		
WELL LOCATION	SEC	TOWNSHIP	RANGE
NW¼	19	7N	12E
DISTANCE	DIRECTION	NEAREST TOWN	
Miles	of	Decatur	
OTHER LANDMARK 10 Feet Due West of Elevated Tank			
WELL PURPOSE (Home, Irrigation, Municipal, Industrial, Fish Pond, etc.) Municipal			

PUMP DATA		
PUMP TYPE:		
Submersible <input type="checkbox"/>	Turbine <input checked="" type="checkbox"/>	Jet Flowing Well <input type="checkbox"/>
Other (Describe)		
POWER TYPE:		
Electric <input checked="" type="checkbox"/>	Tractor <input type="checkbox"/>	Diesel <input type="checkbox"/>
Gasoline <input type="checkbox"/>	Butane <input type="checkbox"/>	
Other (Describe)		
H/P 50		

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Top Soil	0	3
Red Clay & Sand	3	30
Sand & Lignite	30	90
Clay	90	141
Rock	141	143
Clay	143	170
Sandy Clay, Rock	170	315
Sand	315	368
Clay	368	526
Shale, Hard & Sandy Streaks	526	917
Hard Shale	917	1019
Rock	1019	1020
Shale	1020	1098
Sand	1098	1115
Clay & Hard Streaks	1115	1150
Sandy Clay	1150	1255
Hard Clay & Shale Streaks	1255	1270
Sandy Clay	1270	1315
Hard Clay & Shale Streaks	1315	1320
(Continued on Back)		

WELL DATA		
Well Depth 1490 1563'	Casing Diameter (In.) 12"	Casing Length (Ft.) 1385'
Type of Casing Steel	Hole Depth 1503 1490'	Depth to Static 153'
TYPE OF COMPLETION:		
Underreamed <input checked="" type="checkbox"/>	Gravel Packed <input checked="" type="checkbox"/>	Natural Development <input type="checkbox"/>
Telescoped <input type="checkbox"/>	Open Hole <input type="checkbox"/>	
Other (Describe)		
WELL GROUTED TO A DEPTH OF 1385 FEET		
Type Grout:		
Cement <input checked="" type="checkbox"/>	Bentonite <input type="checkbox"/>	Mix <input type="checkbox"/>

SCREEN DATA		
Diameter (In.) 8"	Length (Ft.) 100'	Slot Size (In.) 0.030"
Screen Type Stainless WW RB	Depth to Bottom (Ft.) 1490'	

Top of Lap Pipe or IF TELESCOPED OR MORE THAN
Reduction in Casing **1307** FEET ONE SCREEN, USE BACK PAGE.

I certify that the well was drilled, constructed and completed in accordance with all applicable Requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

LAYNE-CENTRAL

JUL 24 2003

By: *Dave Cook* BY: OLWR 2.03

Signature of Licensed Driller and License No.

Date

Additional Information Required on Back

If well telescopes, please sketch and show depths.

GROUND LEVEL

x			

SECTION 19

Please indicate well location X.

(Continued from Front)	FROM	TO
Clay & Sand Streaks	1320	1350
Hard Clay	1350	1365
Sand	1350	1535
Clay	1535	1564

Pump Capacity (GPM)	No. of Stages	Setting Depth (FL)
506	6	240

PUMP TEST
 Well yielded 506 GPM with
 a drawdown of 7 feet
 after 4 hours of pumping.

LOG DATA

TYPE OF LOG	No Log Run	Electric	X
Gamma Ray <input checked="" type="checkbox"/>	Density <input type="checkbox"/>	Sonic <input type="checkbox"/>	Newtron <input type="checkbox"/>
Other (Describe)			

Name of Organization Running Log
Layne-Central, Jackson, MS

GEOLOGIC DATA (Office Use Only)

Surface	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

Driller's Remarks

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

**DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-
PUBLIC SUPPLY WELLS PROJECT**

GPS LOG

USER NAME (S): DATE 9-23-2004

UNIT DEQ #: _____ FILE #: _____

HEALTH DEPT. 510004-03 ELEVATION :

USGS #: G60 GW15795

OWNER DECATUR QUAD: DEATUR

LOCATION: S 19 T 7N R 7N COUNTY NEWTON

LOCATION DESCRIPTION: @ LARGE WHITE ELEVATED TANK, WEST SIDE

CASING DIA: 12 PUMP TYPE & SIZE TURB

GPS FIELD LOCATION: LAT 32.44188 LONG. -89.11537

GPS CORRECTED LOCATION: LAT . LONG.

REMARKS: NEW AND ACTIVE

Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-15795

County: NEWTON

Owner: DECATUR, TOWN OF

Aquifer: WLCXL

USGS No: G0060

510004-03
BOH No: N/A

Location: NW 1/4 of the NW 1/4 of SEC 19 TWN 07N RNG 12E Lat: 322628 Long: 890653

Quad: DECATUR

District: N/A

Date Issued: 08-JAN-02

Date Renewed:

Date Expired: 08-JAN-12

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 COMPANY

Maximum Rate: 500

Amount Withdrawn Acre feet: 123.2351

Amount Withdrawn Mgd: .11

Pic 152
32.44188
89.11537
@ Elevated Tank
West Side

Use

MUNICIPAL

Casing

Type: STEEL

Diameter: 12

Length: 1385

Screen

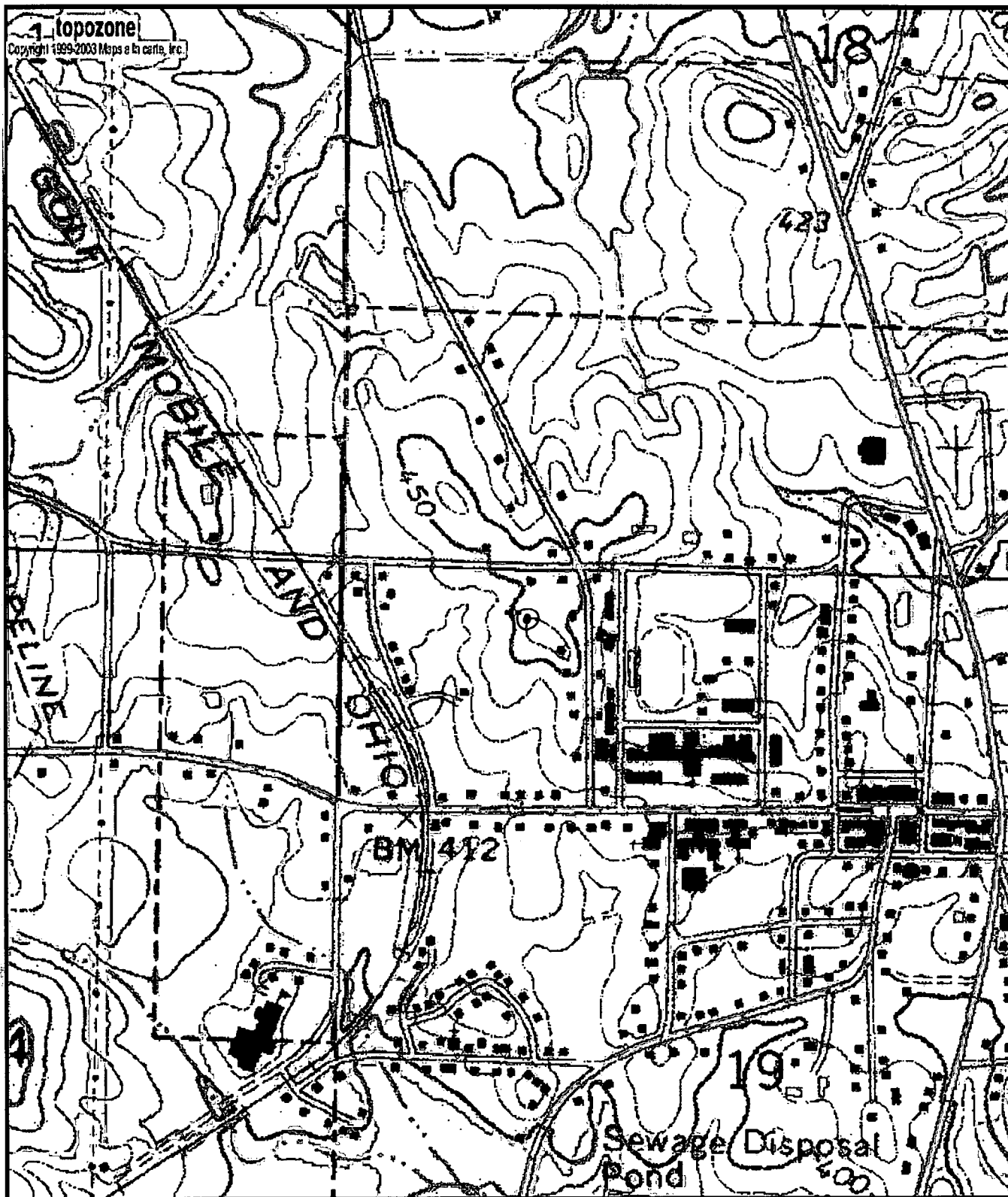
Type: STAINLESS STEEL

Diameter: 8

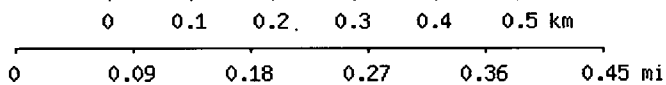
Length: 100

DECATUR, TOWN G50, 510004-03
GW 15795 NEWTON CO.
9-23-2004 32.44188-89.11537





G60
GW15795
0510004-03



Map center is 32° 26' 31"N, 89° 06' 55"W (WGS84/NAD83)

Decatur quadrangle

Projection is UTM Zone 16 NAD83 Datum

M=-0.347
G=-1.135