

GW 01528

FORM 9-1642 (1-68)

510004-02

Well No. 648

WELL SCHEDULE

E log #29

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by Q Source of data Bowc mscs Date 5/74 Map Decatur Quad

State Miss. 28 County (or town) Newton 51

Latitude: 32° 26' 31" N Longitude: 089° 06' 59" W Sequential number: 1

Lat-long accuracy: 2' 7' 12' 19' NE NE NW NW

Local well number: G098B1907N12E Other number: B & M

Local use: 064029 Owner or name: DECATUR Address: \_\_\_\_\_

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

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

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: \_\_\_\_\_

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

perature cards: \_\_\_\_\_

Log data: E log 10' - 1546' D.E

12/88  
WL = 130.9  
S.E.

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 408 Meas. rept accuracy 3

Depth cased: 318 Casing type: \_\_\_\_\_; Diam. 12x6 in 12

Finish: (C) porous concrete, (F) gravel v. (perf.), (G) gravel v. (screen), (H) horiz. gallery, (I) open end, (J) open perf., (K) screen, (L) sd. pt., (M) shored, (N) open hole, (O) other S

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

Date Drilled: 5-5-74 9-7-74 Pump intake setting: \_\_\_\_\_ ft 30 38

Driller: Singer Jayne 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): nat, LP, diesel, elec, gas, gasoline, hand, gas, wind; H.P. 50 V Trans. or meter no. \_\_\_\_\_

Descrip. MP 455 above 460 below LSD, Alt. MP 4

Alt. LSD: 460 Accuracy: topo 4

Water Level: above 1116 below MP; Ft below LSD 1116 Accuracy: \_\_\_\_\_ D

Date meas: 5-7-74 Yield: 350 gpm 350 Method determined 61

Drawdown: \_\_\_\_\_ ft Accuracy: \_\_\_\_\_ Pumping period \_\_\_\_\_ hrs 68

QUALITY OF WATER DATA: Iron \_\_\_\_\_ ppm Sulfate \_\_\_\_\_ ppm Chloride \_\_\_\_\_ ppm Hard. \_\_\_\_\_ ppm

Sp. Conduct \_\_\_\_\_ K x 10 6 Temp. \_\_\_\_\_ °F Date sampled \_\_\_\_\_

Taste, color, etc. \_\_\_\_\_

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

Latitude-longitude \_\_\_\_\_  
N  
S  
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: \_\_\_\_\_

03 Section: \_\_\_\_\_

D Drainage Basin: \_\_\_\_\_

1131P Subbasin: \_\_\_\_\_

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

MAJOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series TIE \_\_\_\_\_ aquifer, formation, group M.W.

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: 80 ft

Length of well open to: \_\_\_\_\_ ft 60 Depth to top of: \_\_\_\_\_ ft 315

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: \_\_\_\_\_

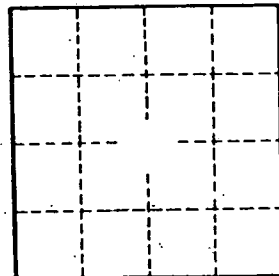
Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

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

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

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

Test well - 1370' - 1410'



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

NEWTON

G48

5-5-74

Flg# 29

5/5 date well completed

MISSISSIPPI BOARD OF WATER COMMISSIONERS

416 North State Street

Jackson, Mississippi 39201

CODED

WATER WELL DRILLERS LOG

1974 Singe... Central Div. Newton firm name county well located

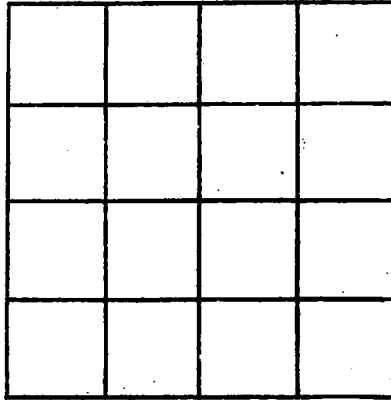
LANDOWNER:	description of formations encountered	from	to
Town of Decatur Decatur, Miss (mailing address)		Red Clay	0
WELL LOCATION: sec. 19 T. 7 N R. 12 E (distance) (direction) (nearest town)	Sand & siltstone	25	80
WELL PURPOSE: Municipal (home, irrigation, municipal, industrial)	Clay	80	241
WELL COMPLETION DATA:	Rock	141	143
(1) diameter (inches) 12"	Clay	143	170
(2) total depth (feet) 414'	Sandy Clay	170	182
(3) static water level (feet) 116' below top of ground	Clay and siltstone	182	315
(4) casing Steel 313' (material) (depth)	Sand	315	362
12" if telescope see back. (size) 60' 86" 313' (length) (depth to top)	Sandy Clay	362	490
(5) screen 6" Stainless Steel (size) (material)	Hard Clay	490	520
(6) pump 50 (HP) 350 (yield gpm)	Sandy Siltstone	520	589
(7) electric log yes (yes or no)	Hard Shale	589	714
(8) how well bottom plugged Valve	Sandy Shale	714	896
	Hard Shale	896	953
	Sandy Shale	953	980
	Hard Shale	980	1014
	Sandy Shale	1014	1046
	Hard Shale	1046	1082
	Rock	1082	1083
	Shale	1083	1093
	Sand	1093	1112
	Sandy Clay	1112	1160
	Rock	1160	1161
	Sandy Shale	1161	1220
	Firestone & shale etc	1220	1253
	Clay	1253	1291
	Sandy Clay	1291	1314
	Rock	1314	1316
	Clay	1316	1318
	Rock	1318	1320
	Sandy Clay	1320	1360
	Sand	1360	1535
		5.0	
DRILLERS REMARKS:			

DELETED

MISS. BD. OF WATER COMMISSIONERS

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION \_\_\_\_\_

Please indicate well location X.

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 / DRO DATE: 7/18/94  
UNIT DEQ #: 82859 FILE #: A071815C  
HEALTH DEPT. #: 510004-02 ELEV. 450  
USGS #: G-48 OLWR #: GW 01528  
OWNER: Town of Decatur Water Dept.  
LOCATION: S 19 T 7N R 12E COUNTY: Newton  
LOCATION DESCRIPTION: Well North side of Tank (elevated)

CASING DIA: 16" PUMP TYPE & SIZE: Turkine / 60  
GPS FIELD LOCATION: LAT. 32-26-526N LONG. 89-06-940W  
GPS CORRECTED LOCATION: LAT. 32.441899 LONG. 89.115236

REMARKS: Turn Left off Hwy 15 onto Broad St.  
go to 8th Ave. Turn Right, go to 4 way stop  
take left to driveway on left side of  
pl. 1

Decatur Quad

32 26 31  
89 06 55

Department of Environmental Quality  
Office of Land and Water Resources

Ground Water Permit  
General Report

Permit Number: MS-GW-01528

County: NEWTON

Owner: DECATUR, TOWN OF

Aquifer: MUWX

USGS No: G0048

BOH No: 0510004-02

Location: NW 1/4 of the NW 1/4 of SEC 19 TWN 07N RNG 12E Lat: 322625 Long: 890655

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 CO.

Maximum Rate: 350

Amount Withdrawn Acre feet: 89.6255

Amount Withdrawn Mgd: .08

Use

MUNICIPAL

Casing

Type: STAINLESS STEEL

Diameter: 12

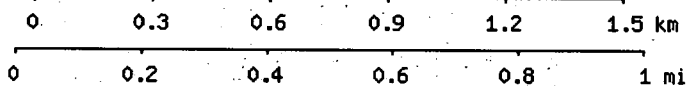
Length: 16

Screen

Type: STAINLESS STEEL

Diameter: 6

Length: 250



Map center is 32° 26' 31"N, 89° 06' 55"W (WGS84/NAD83)  
**Decatur** quadrangle  
Projection is UTM Zone 16 NAD83 Datum

M=-0.318  
G=-1.135

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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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