

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION 66-01880(MU)

PUNCHED 620008-01

MASTER CARD Lake, Town of Bowc  
Record by WTO Source of data MSGS

Date 5/73

Map

MAR 20 1974 MUWX

State MISS 28 County (or town) SCOTT 62

Latitude: 322053N Longitude: 0891939 Sequential number: 1

Lat-long accuracy: 26 9 24 SE SW NE NE/NW/SE

Local well number: M0542A2406N09E Other number: Well # 2

Local use: 064114 Owner or name:

Owner or name: LAKE Address:

Ownership: County, Fed Gov't, 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, P

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

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

Hyd. lab. data:

Qual. water data; type: USGS Complete 7/75 C

Freq. sampling: Pumpage inventory: no period:

Core cards: yes:

Log data: E log 22'-1124' D.F.

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1098 Meas. rept. 3

Depth cased: 1048 Casing type: 8x6 in 8

Finish: porous gravel w. gravel w. horiz. open perf., screen, sd. pt., shored, open hole, S

Method Drilled: air bored, cable, dug, hyd jetted, air reverse trenching, driven, drive wash, H

Date Drilled: 4-19-73 973 Pump intake setting: ft 30

Driller: SINGER-LAYNE name address

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

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 30 V Trans. or meter no.

Descrip. MP 473 ft above LSD, Alt. MP Accuracy: (source) 468 topo 4

Water Level: 154 ft below MP; Ft below LSD Accuracy: D

Date meas: 573 Yield: 250 gpm Method determined

Drawdown: ft Accuracy: Pumping period hrs

WATER DATA: Iron Sulfate Chloride Hard. Sp. Conduct 370 K x 10 Temp. 25.5 Date sampled 775

Taste, color, etc. Clear pH 8.2

WELL NO.

**HYDROGEOLOGIC CARD**

SAME AS ON MASTER CARD Physiographic Province: 03 Section:

D Drainage Basin: 13T Subbasin:

(D) depression, stream channel, dunes, flat, hilltop, sink, swamp,  
all site: (S) offshore, pediment, hillside, terrace, undulating, valley flat

JOB NUMBER: TE M.W

Geology: S Origin: 2 Aquifer Thickness: 50 ft

50 Length of well open to: ft 50 Depth to top of: 1045 ft A04

NOR NUMBER: system series aquifer, formation, group

Geology: Origin: Aquifer Thickness: ft

ft ft ft

Intervals screened:

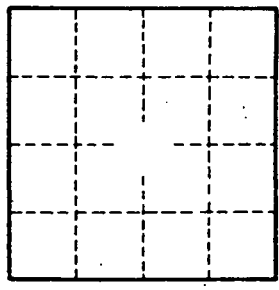
Depth to consolidated rock: ft Source of data:

Depth to cement: ft Source of data:

Official serial: Infiltration characteristics:

Efficient trans: gpd/ft Coefficient Storage:

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



Well No.

UP-DATED →

SCOTT Co  
 M54  
 Log #114

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

CODED

WATER WELL DRILLERS LOG

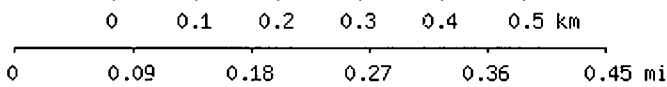
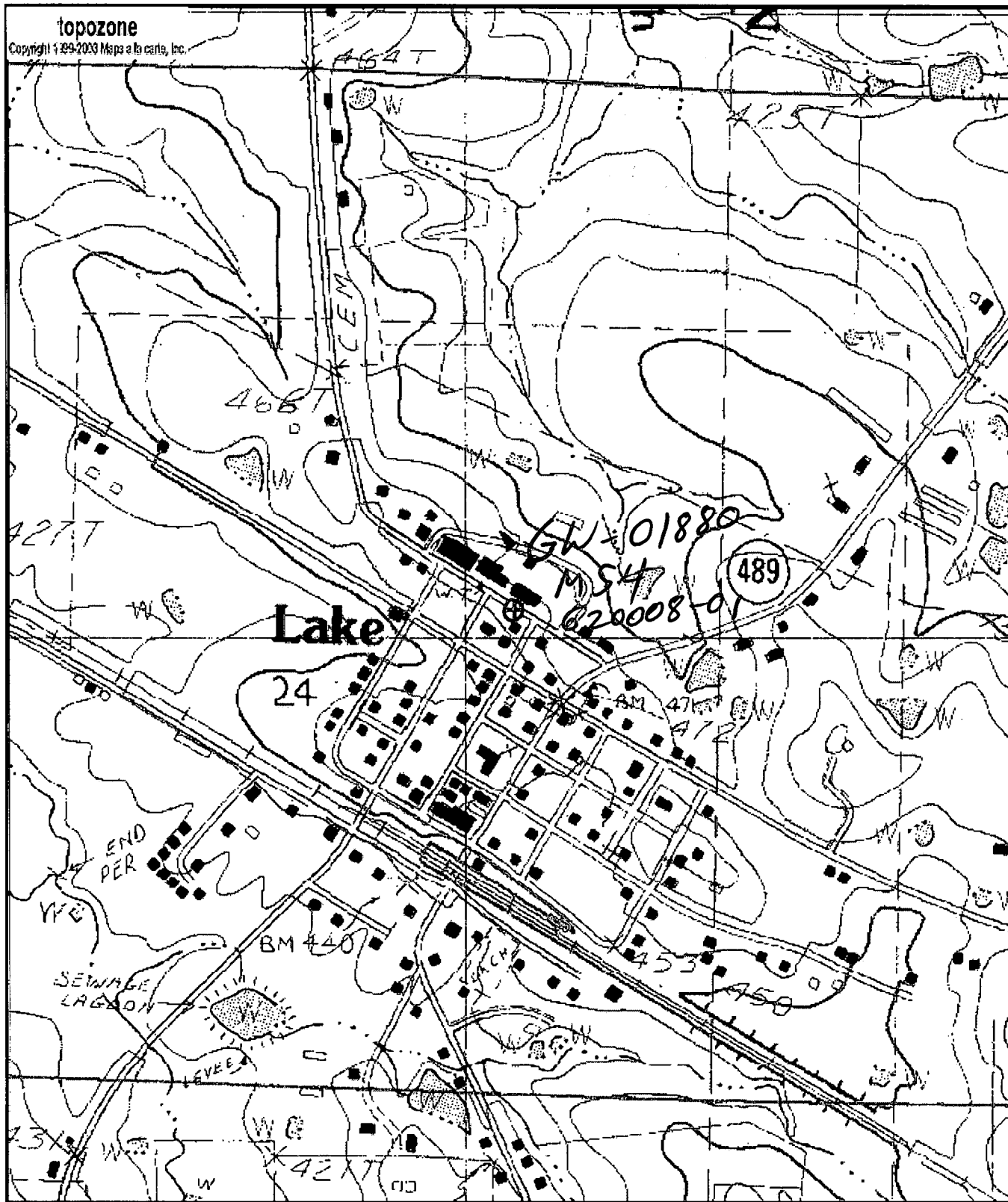
5-1-1973 date well completed  
 Singer Lays Central Div firm name  
 Scott county well located

LANDOWNER:	description of formations encountered	from	to
Town of Lake, Miss	Red Clay	0	4
Lake, Miss (mailing address)	White Gummy Clay	4	17
WELL LOCATION: sec. 24 T. 6 N R. 9 E	Blue Clay	17	85
miles of (distance) (direction) (nearest town)	Sandy Clay	85	138
WELL PURPOSE: Municipal (home, irrigation, municipal, industrial)	Sand	138	262
WELL COMPLETION DATA:	Blue Clay	262	341
(1) diameter (inches) 8" x 6"	Rock	341	342
(2) total depth (feet) 1121'	Blue Clay	342	358
(3) static water level (feet) 154 below top of ground.	Clay & Sandy Shale	358	474
(4) casing (material) Steel (depth) 1040'	Clay and Sand	474	572
8" if telescope see back. (size) + 48' 26"	Gummy Clay	572	691
(5) screen (length) 50' (depth to top) 1048'	Sandy Shale	691	724
6" (size) Stainless Steel (material)	Sand & Shale	724	771
(6) pump (HP) 30 (yield gpm) 250	Hard Shale & Sandy Shale	771	940
Electric (type power)	Sandy Shale	940	965
(7) electric log yes (yes or no)	Sand	965	983
Miss. Geo. Survey (organization running log)	Sand & Shale	983	1048
(8) how well bottom plugged	Sand	1048	1110
	Hard Shale	1110	1121
DRILLERS REMARKS:			

GOLDEN



M0054-123. 10/14/2004



Map center is 32° 20' 48"N, 89° 19' 35"W (WGS84/NAD83)  
**Lake** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

*PAP/OLH*  
*4/30/97*



M=-0.173  
 G=-1.245

Real Time

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

9/9/04

USER NAME(S): Hardin/Phillips DATE: 4/30/97

UNIT DEQ #: \_\_\_\_\_ FILE #: A043017A

HEALTH DEPT. #: 620008-01 ELEV. 470

USGS #: M54<sup>LWW</sup> 9/9/04 OLWR #: GW-01880<sup>LWW</sup> 9/9/04

OWNER: Lake Water Works QUAD: Lake

LOCATION: Irr SE S 24 T 6N R 9E COUNTY: SCOTT

LOCATION DESCRIPTION: Across from school at elevated tank at corner of N. Williams & School St

CASING DIA: 8" PUMP TYPE & SIZE: Turbine, 40 HP

GPS FIELD LOCATION: LAT. 32° 20.810' N LONG. 89° 19.582' W

GPS CORRECTED LOCATION: LAT. 32.346831 LONG. 89.32632944

REMARKS: Measured 50' NE of well

North well

Same file for 620008-01 & 02

10/14/04  
tagged  
LWW  
P110  
32.34682  
89.32668

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

**Ground Water Permit**  
**General Report**

**Permit Number:** MS-GW-01880

**County:** SCOTT

**Owner:** LAKE, TOWN OF

**Aquifer:** MUWX

**USGS No:** M0054

**BOH No:** 0620008-01

**Location:** NW 1/4 of the SE 1/4 of SEC 24 TWN 06N RNG 09E **Lat:** 322048 **Long:** 891935

**Quad:** LAKE

**District:** N/A

**Date Issued:** 25-MAR-86

**Date Renewed:** 23-APR-96

**Date Expired:** 25-MAR-06

**Applicant:** LAKE, TOWN OF

**Owner:** LAKE, TOWN OF

**Address 1:** P. O. BOX 39

**Address 1:** P. O. BOX 39

**Address 2:** N/A

**Address 2:** N/A

**Address 3:** N/A

**Address 3:** N/A

**City:** LAKE

**City:** LAKE

**State:** MS **Zip:** 39092

**State:** MS **Zip:** 39092

**Driller:** LAYNE CENTRAL COMPANY

**Maximum Rate:** 250

**Amount Withdrawn Acre feet:** 33.6096

**Amount Withdrawn Mgd:** .03

**Use**

MUNICIPAL

**Casing**

**Type:** STEEL

**Diameter:** 8

**Length:** 1047

**Screen**

**Type:** STAINLESS STEEL

**Diameter:** 6

**Length:** 50