

Recorded by WTO
Date 8/7/87
Agency USGS

#2

620008-02
GW-14072 (my)
LAKE
PUD

OK
Well No. 1760
E-Log No. 164
County SCOTT

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

WELL RECORD

Lake, Town of

GEN SITE DATA

Site Id 312210141810181911913181011 R=0* T=A* 2=W* Data reliab. 3=U C U
Dis: 6=28 State 7=28 Co. 8=1123 Lat. Long. 9=31221014181 10=0181911913181
Well NO. 12=1760 Location SE NE NW SE 13=SW NE S 24 T O 6 N R 0 9 E Alt. 16=468 478
Hyd. Unit (OWDC) 20=013118101011 Date 21=11987110911011 (YYYYMMDD) 17=M
Agency Use 803=9 Well Use 23=W Water Use 24=P Hole depth 27=111231 Well depth 28=110961
W. 30=194 Date 31=11987110911011 Source 33=D Flow 37=1
Project No. 5= PRIM. AQ. 77=124MUKWX

LIFT

R=42* T=A* 254#1* Date 38=11987110911011 Lift Type 43=TI Intake 44=300
Power Type 45=E H.P. 46=1410

CONSTR.

R=58* T=A* 723#1* Date 60=11987110911011 Drlg 63=184 Name Griner
Method 65=H Finish 66=S Remarks

CASING

R=7E* T=A* 725#1* 59#1* Top csng 77# Bot. csng 78=110441 Diam. 79# 112181
R=76* T=A* 725#2* 59#1* Top csng 77# 9184 Bot. csng 78=110541 Diam. 79# 1611

OPENINGS

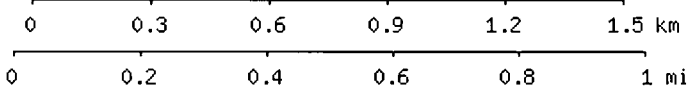
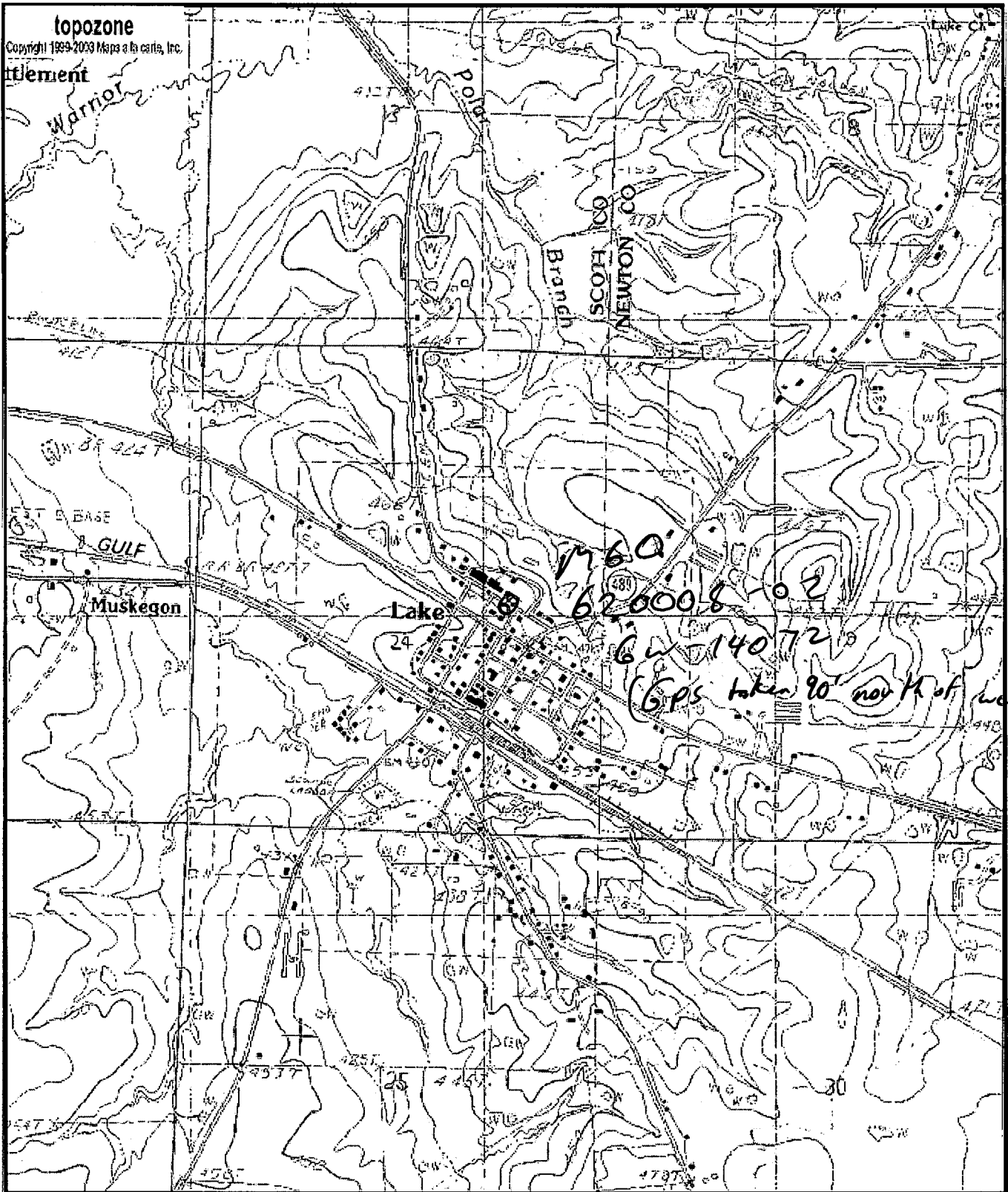
R=82* T=A* 726#1* 59#1* Top 83# 110541 Bottom 84=110961 Type 85=S
Diam. 87# 1611 Size 88=1101161
R=82* T=A* 726#2* 59#1* Top 83# Bottom 84= Type 85=
87= 88=

AQUIFERS

R=90* T=A* 721#1* Top 91= 19714 Bot 92=110941 Unit Id 93=1124MUKWX
R=90* T=A* 721#2* Top 91= Bot 92= Unit Id 93=

HYDRAULICS

R=98* T=A* 99#1* Unit tested 100# 103#
R=105* T=A* 99#1* Test No. 106# 107= Transmissivity (gal/d)/ft
108= Hydraul. cond. (gal/d)/ft² 110= Storage coeff. Boundaries



Map center is 32.3468°N, 89.3263°W (WGS84/NAD83)
Lake quadrangle
 Projection is UTM Zone 16 NAD83 Datum

PAP/DLH
4/30/97

M=-0.174
 G=-1.245

32° 20' 48" 89° 19' 35"



M0060-123. 10/14/2004

OK

SCOTT CO

M60

PHYSICAL AND CHEMICAL WATER ANALYSES
MS DEPARTMENT OF HEALTH ENVIRONMENTAL LABORATORY

322048089193801

PWS ID#.....: 0620008
SYSTEM NAME.: LAKE WATER WORKS *Well #2*
COUNTY.....: SCOTT
TYPE SAMPLE.: WELL
COLLECTED BY: WAYNE LAY

WORK ORDER.....: 113093-158
LAB ID#.....: 931130-004P
DATE COLLECTED: 11/23/93
DATE RECEIVED.: 11/30/93

WELL ID NO...: 620008-02
WELL LOCATION: IN ELEV TANK YARD, SOUTH WELL

YEAR CONSTRUCTED...: 87
DEPTH (FT.).....: 1096
CASING (IN.).....:
SCREEN SIZE (IN.)...:
SCREEN LENGTH (FT.):
LATITUDE.....: 322047
LONGITUDE.....: 891936
DRAWDOWN (FT.):
SWL (FT.).....:
CAPACITY (GPM):
AT PSI.....:
INFORMATION SOURCE: INFORMATION DATE: / /

PHYSICAL CHARACTERISTICS:

Turbidity.....: NTU
Field Temperature.....: 77.0 °F
Color.....: 15 PC Units *Slight Color*
Sp. Conductance.....: umhos
Odor.....:

CHEMICAL PARAMETERS:

pH (Field): 8.6 pH (Lab): 8.6
Alkalinity (P) as CaCO3...: 8 mg/l
Alkalinity (T) as CaCO3...: 170 mg/l
Chloride.....: 6 mg/l
Sulfate.....: 10.8 mg/l
Fluoride.....: .1 mg/l
Nitrogen as NO2.....: mg/l
Nitrogen as NO3.....: mg/l
Free Carbon Dioxide.....: 0 mg/l
Iron (Field).....: <0.1 mg/l
Iron (Lab).....: <0.1 mg/l
Magnesium.....: <0.25 mg/l
Manganese.....: .013 mg/l
Calcium.....: .8 mg/l
Sodium.....: 82.5 mg/l
Potassium.....: 1.0 mg/l
Silica.....: mg/l
Total Dissolved Residue...: 194 mg/l
Ca+Mg Hardness as CaCO3...: 3 mg/l

*Excellent
Quality*
Water level = 194' (1987)

COMMENTS:

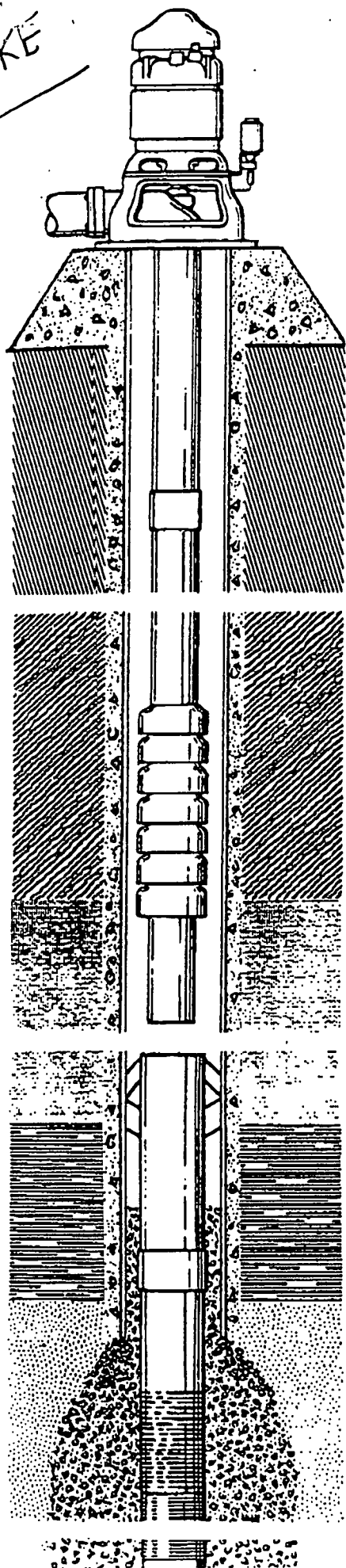
pc: Regional Engineer
County Environmentalist
Bill Oakley, USGS

GRINER DRILLING SERVICE, INC.

TELEPHONE 801/736-6347
POST OFFICE DRAWER 825
COLUMBIA, MISS. 39429

M60

AKE



LOG FORM

NAME	Town of Lake
LOCATION	Well No. 2
	SE/4 SW/4 NE/4 Sec. 24, T6N, R9E
ENGINEER	Fouche' and Associates
DRILLER	Tommy Powell
LOG. NO.	GDS
COMPLETED	Dec. 27 19 88
ACCEPTED	
Sales Engineer	T.N. Shows
Field Supervisor	F. Sistrunk

WELL DATA

Length surface casing N/A; size surface casing N/A
 Cemented N/A No. Sacks N/A Size Drilled Hole 17"
 Depth drilled hole 1054 Size well casing 12 3/4" Type Welded
 Length well casing 1044 cemented Yes No. Sacks 687
 Size underreamed hole 24" length underreamed hole 50'
 Size screen 6" type Wire Wound mfg. by Johnson
 Slot size 016 material 304 S.S. length screen 42.85'
 Lap pipe size 6 lap pipe length 70.05 type Welded
 Type gravel Colorado Silica No. yds 7.78 Distance to lap 983.50
 Distance to screen top 1052' distance to gravel 987'
 Distance to screen bottom 1095 type bottom Back Wash Valve & Stinger
 Connection top of lap 6" I & R Collastic static water level 188.50'

PUMP DATA

Type Turbine make Peabody Floway Serial No. 87-21497
 Size bowls 8" No. stages 16 Curve No. JKL Length bowls 10'6"
 Length column 280' size column 5" type column T & C
 Size oil tube 2" size shaft 1 1/2" length suction 20'
 Size suction 5" size discharge 6" Head No. 6 x 16 1/2 "H"
 Overall pump length 310'6" Length headshaft 35 3/4"
 Type lubrication Oil type oiler Solenoid length air line 280'
 Rated capacity 250 GPM Total Head 391
 RPM 1770 Size foundation 2' x 2' Height 2'

ELECTRIC MOTOR DATA

Type VHS Make U.S. Serial No. P00-P246044567
 HP 40 Voltage 240 RPM 1770 Frame 324TPH
 Style P Phase 3 Cycle 60 AMPS
 Height motor 28" Dia. base 16 1/2" Clutch bore 1 1/2" Clutch No. N/A
 Top bearing No. 7220M Lower bearing No. 6211J Lubrication Oil & Grease

SWITCH DATA

Type Pumping Plant Panel Make Square "D"
 Catalog No. Q00120 Size 3 Rating 40 H.P.
 Volts 240 Phase 3 Cycles 60
 HP rating 40 Size relays 99.4 Relay type Quick Trip
 Entrance switch 150 A.

Real Time

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

SEP 9 04

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

UNIT DEQ #: _____ FILE #: A043017A

HEALTH DEPT. #: 620008-02 ELEV. 470

USGS #: M60 OLWR #: 6W-14072

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: 12" 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
32.385823 89.37647869

REMARKS: Measured 90' north of well
South well

Same file for 620008-01 & 02

10/14/04
tagged
LWW
P109
32, 346.74
89, 32650

Department of Environmental Quality
Office of Land and Water Resources

Ground Water Permit
General Report

Permit Number: MS-GW-14072

Courty: SCOTT

Owner: LAKE, TOWN OF

Aquifer: MUWX

USGS No: M0060

BOH No: 0620008-02

Location: SW 1/4 of the NE 1/4 of SEC 24 TWN 06N RNG 09E **Lat:** 322049 **Long:** 891935

Quad: LAKE

District: N/A

Date Issued: 14-APR-92

Date Renewed: 18-DEC-01

Date Expired: 18-DEC-11

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: GRINER DRILLING SERVICE, INC

Maximum Rate: 250

Amount Withdrawn Acre feet: 33.6096

Amount Withdrawn Mgd: .03

Use

MUNICIPAL

Casing

Type: STEEL

Diameter: 12

Length: 1044

Screen

Type: STEEL

Diameter: 6

Length: 42