

GW14877  
0610036-06

Coded By 01094  
Checked By 8/27/95  
Entered By 29  
Date 7/95

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 681  
County RANKIN  
Agency

Well No. C36

WELL RECORD

Agency Code U S G S Site Id 3224190895947011 Project No. 54 Goshen Springs Quad

Station Name 12 C101361 PEARL R WTR DIST Latitude 9 322419 Longitude 10 0895947

Lat/Long Ac. 11 S 0 T M Dist. 6-28 State 7-28 County 8-11211 NE Land/Net 13 NE SW 33 T 07 N R 03 E 2

Location Map 14 GOSHEN SPRINGS Altitude 331 Met/Meas 17 A L M Accuracy 18 15 Hydrologic Unit 20 1031 10101014

Agency Use 803 A I O Date Inventoried 711 Station Type 4 Data Type 804

Instru. 905 Remarks 806 Relia. 3 C L M U 2 W X

Date of Construction 21 10 11 9 11 9 9 4 Well Use 23 W Water Use 24 P Primary Aquifer 714 124 SP RTT Hole Depth 27 11 601

Well Depth 28 1030 Water Level 30 WA Water Level Date 31 Method 34 Status 37 Source 33

CONSTRUCTION DATA

Construction Date 60 11 18 11 9 9 4 Contractor 63 Name LAYNE Method 65 Finish 66

CONSTRUCTION CASING DATA

Top/Casing 77 11 10 Bot/Casing 78 9 11 0 Diameter 79 11 0

Top/Casing 77 9 6 0 Bot/Casing 78 9 5 0 Diameter 79 11 0

CONSTRUCTION OPENINGS DATA

Top/Depth 83 9 5 0 Bot/Depth 84 10 3 0 Diameter 87 11 0 Type 85 S Length 89 11 Width 88 0 2 0

Top/Depth 83 Bot/Depth 84 Diameter 87 Type 85 Length 89 Width 88

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43 Date 38 11 18 11 9 9 4 Intake 44 13 11 0

Power 45 F H.P. 46 11 2 5 Serial No. 49

MISCELLANEOUS OWNER DATA

Date of Ownership 159 11 18 11 9 9 4 Owner Name 161 PEARL R WTR SIMPLY DIST

MISCELLANEOUS OTHER ID DATA

E-Log No. 190 6811 Assigner 191 M I S S I D I S T

130  
-A

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 / / / / / / / / .	Aquifer Sampled 1954 / / / / / / / / .	Temp 196#00010	Value 1974 / / / / .
R=192	T=A	738#2	Date of Measurement 1934 / / / / / / / / .	Aquifer Sampled 1954 / / / / / / / / .	Sp Cond 196#00095	Value 1974 / / / / .
R=192	T=A	738#3	Date of Measurement 1934 / / / / / / / / .	Aquifer Sampled 1954 / / / / / / / / .	pH 196#00400	Value 1974 / / / / .

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 1994 F	Bea. Depth 2004 / / / / / / / / .	End Depth 2014 / / / / / / / / .
R=198	T=A	739#1	Log Type 1994 D	Bea. Depth 2004 / / / / / / / / .	End Depth 2014 / / / / / / / / .

MISCELLANEOUS NETWORK DATA  $Q_{106} = Q_w$  WL WD \*

R=114	T=A	730#1	Bea. Year 1154 / / / / .	End Year 1164 / / / / .	Agency Source 120=A 117# / / / / .	Freq. 118# / / .
R=121	T=A	730#2	Bea. Year 1154 / / / / .	End Year 1164 / / / / .	Agency Source 117# / / / / .	Freq. 118# / / .

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 1844 / / / / / / / / .	Remarks 1854 / / / / / / / / .
-------	-----	-------	---	-----------------------------------

DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 1484 / / / / / / / / .	Type 703# (P) R	Discharge 1504 / / / / / / / / .	So. Capacity 2724 / / / / / / / / .
-------	-----	--------------------	--------------------------------	--------------------	-------------------------------------	--

GEOHYDROLOGIC DATA

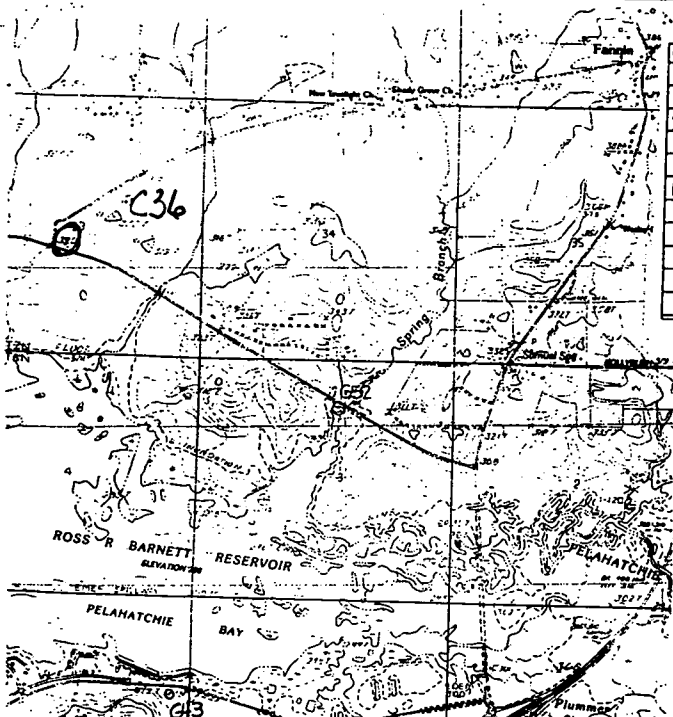
R=90	T=A	721#1	Depth Top 914 / / / / / / / / .	Depth Bot. 924 / / / / / / / / .	Unit Id 934 / / / / / / / / .	304#
------	-----	-------	------------------------------------	-------------------------------------	----------------------------------	------

HYDRAULIC DATA

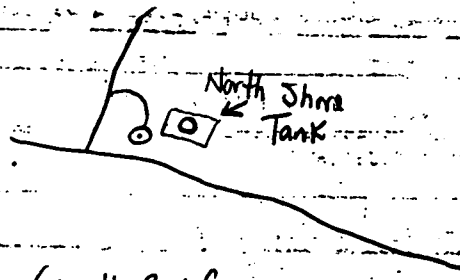
R=98	T=A	790#1	Unit Tested 1004 / / / / / / / / .	1034 / / .
------	-----	-------	---------------------------------------	------------

Church Rd under tank

28 dd @ 768 gpm



DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Yellow Clay	0'	30'	Sand	945'	1008'
Blue Clay	30'	300'	Sandy Clay	1008'	1023'
Shale + Sand streaks	300'	360'	Sand + Clay streaks	1023'	1086'
Sand + Clay streaks	360'	400'	Clay + Sand streaks	1086'	1124'
Clay + Fine Sand	400'	500'	Clay	1124'	1160'
Clay	500'	520'			
Clay + Sand streaks	520'	610'			
Sand + Clay streaks	610'	670'			
Clay + Sand streaks	670'	740'			
Clay	740'	810'			
Sand + Clay streaks	810'	945'			



(well 20' from fence corner)

**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 <b>Rankin</b>		PERMIT NUMBER <b>MSGW 14877</b>
WELL NUMBER <b>C36</b>	CODED <input checked="" type="checkbox"/>	NAME OF DRILLING FIRM <b>Layne-Central Co.,</b>
<b>log # 681</b>		<b>A Division of Layne, Inc.</b>
DATE WELL COMPLETED <b>11/18/94</b>		

NAME & MAILING ADDRESS OF LANDOWNER  
**Pearl River Valley Water Supply Dist.**  
**P. O. Box 12750**  
**Jackson MS 39236**

WELL LOCATION SEC TOWNSHIP RANGE  
**NE OF SW 33 7 N 3 E**

DISTANCE DIRECTION NEAREST TOWN  
**100' East of Tank**

OTHER LANDMARK  
**at corner of Church Rd & North Shore Dr.**

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.  
**Municipal**

**PUMP DATA**

PUMP TYPE (Circle One):  
Submersible, **Turbine**, Jet, Flowing Well,  
Other (Describe) \_\_\_\_\_

POWER TYPE (Circle One):  
**Electric**, Tractor, Diesel, Gasoline, Butane,  
Other (Describe) \_\_\_\_\_ H/P **125**

Pump Capacity (GPM) No. of Stages Setting Depth  
**768 6 310** FT.

PUMP TEST  
Well yielded **768** GPM with  
a drawdown of **28'** ft.  
after **8 hrs** hours of pumping

**WELL DATA**

Well Depth <b>1035</b>	Casing Diameter (In.) <b>16</b>	Casing Length (Ft.) <b>940</b>
Type of Casing <b>Steel</b>	Hole Depth <b>1160</b>	Depth to Static Water Level <b>225</b>

TYPE OF COMPLETION: (Circle One or More):  
 Gravel Packed,  Underreamed,  Telescoped,  
 Natural Development,  Open Hole,  Other

WELL GROUTED TO A DEPTH OF **940** FEET  
Type Grout (circle one): **Cement**, Bentonite, or Mix

**LOG DATA**

TYPE OF LOG RUN (Circle One):  
**Electric**, **Gamma Ray**, No Log Run,  
Density, Sonic, Neutron,  
Other (Describe) \_\_\_\_\_

Name of Organization Running Log  
**Layne-Central Company**

**SCREEN DATA**

Diameter - Inches <b>10</b>	Length - Feet <b>80</b>	Slot Size - Inches <b>20</b>
Screen Type <b>Johnson stainless steel</b>	Depth to Bottom - Feet <b>5</b>	

**GEOLOGIC DATA (Office Use Only)**

Surface Elev.	Geologic Form.	Unit Thickness	Depth to Top
Subs. SWL	Dip		

Driller's Remarks  
**JUN 21 1995**

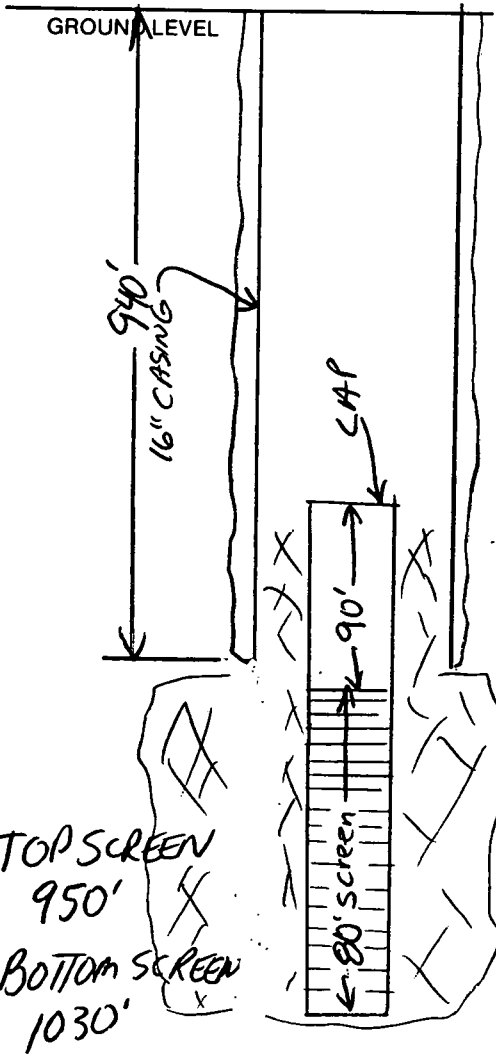
Top of Lap Pipe Depth of Section in Casing  
**860** FEET

Office of Land and Water Resources

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	
			FROM	TO
Yellow Clay	0'	30'	Sand	945' 1008'
Blue Clay	30'	300'	Sandy Clay	1008' 1023'
Shale & Sand Streaks	300'	360'	Sand & Clay Streaks	1023' 1086'
Sand & Clay Streaks	360'	400'	Clay & Sand Streaks	1086' 1124'
Clay & Fine Sand	400'	500'	Clay	1124' 1160'
Clay	500'	520'		
Clay & Sand Streaks	520'	610'		
Sand & Clay Streaks	610'	670'		
Clay & Sand Streaks	670'	740'		
Clay	740'	810'		
Sand & Clay Streaks	810'	945'		

IF MORE SPACE IS NEEDED, USE BACK

If well telescopes please sketch and show depths.




SECTION 33

Please indicate well location X.

ADDITIONAL INFORMATION

EPOXY COATE  
CAP & CASING

TOOK Water Sample  
at 1010'

ALL MEASUREMENTS  
GROUND LEVEL

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): Hardin / Phillips DATE: 7/31/96

UNIT DEQ #: \_\_\_\_\_ FILE #: A0731130

HEALTH DEPT. #: 610036-06 ELEV. 331'

USGS #: C36 OLWR #: GW14877

OWNER: PRVWSD QUAD: Goshen Springs

LOCATION: NE/SW S 33 T 7 N R 3E COUNTY: Rankin

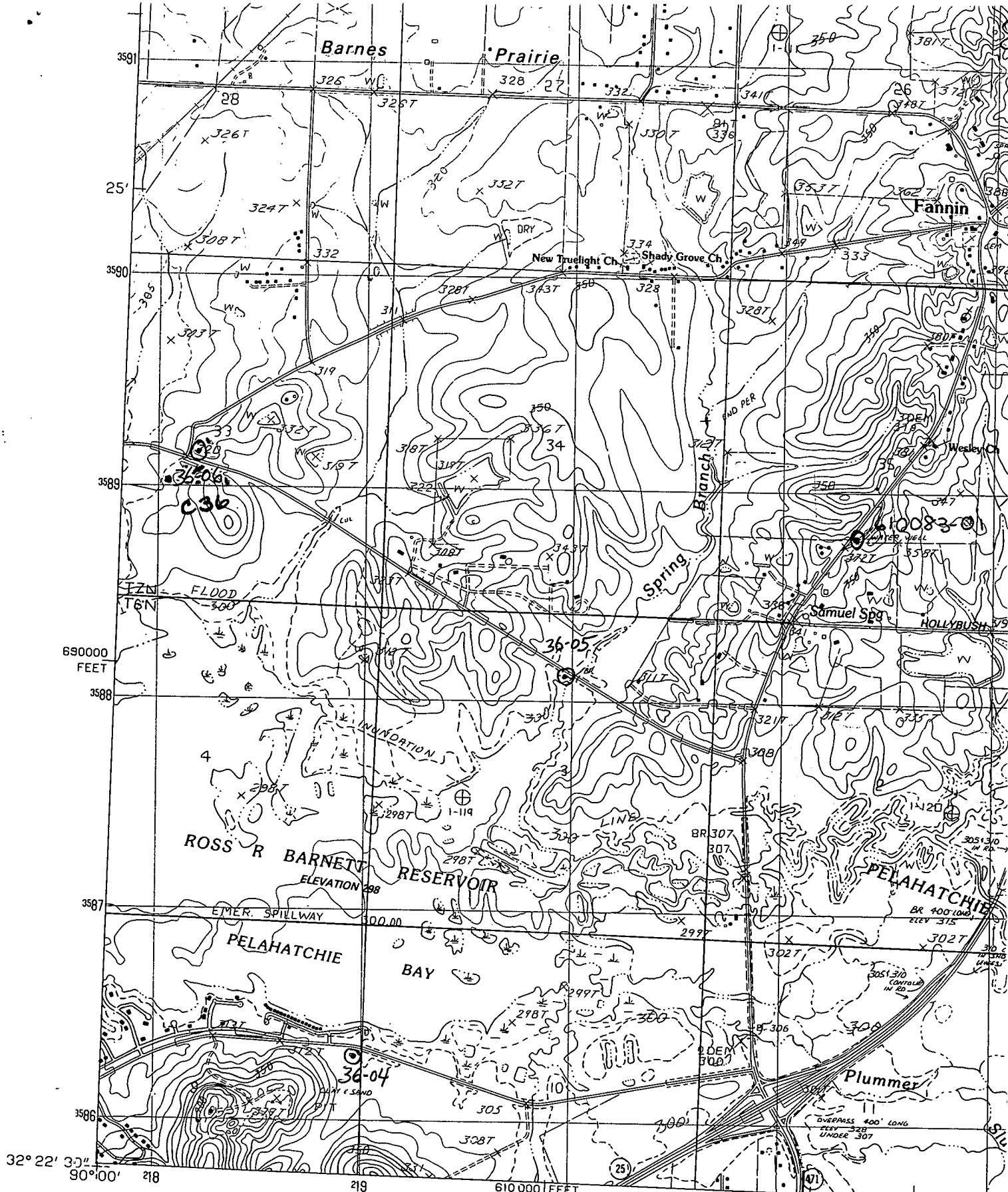
LOCATION DESCRIPTION: At elevated tank behind new fire station on Church Rd just off North Shore Pkwy.

CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Turbine/160 HP

GPS FIELD LOCATION: LAT. 32° 24.346' N LONG. 89° 59.719' W

GPS CORRECTED LOCATION: LAT. 32.40604488 LONG. 89.99601696

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
 CONTROL BY USGS AND NOS/NOAA  
 COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1976  
 FIELD CHECKED ..... 1980. MAP EDITED ..... 1982  
 PROJECTION ..... TRANSVERSE MERCATOR  
 GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 16  
 10,000-FOOT STATE GRID TICKS ..... MISSISSIPPI, WEST ZONE  
 UTM GRID DECLINATION ..... 1°35' WEST  
 1982 MAGNETIC NORTH DECLINATION ..... 3°30' EAST  
 VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM  
 To place on the predicted North American Datum of 1983  
 move the projection lines as shown by dashed lines