GW15157
0410016-04

Coded By 5/97
Checked By 04-14-98
Entered By
Date 2/98

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 170
County LEE
Agency

Well No. K107

Verona Quad

WELL RECORD

Agency Code: USGS
Site Id: 1 34 09 45 088 33 01
Project No.: 5

Station Name: 12 K107 VERONA
Latitude: 9 34 09 45
Longitude: 10 088 33 01

Lat/Long Ac.: 11 S
Dist: 6
State: 7 28
County: 8 081
Land Net: NE 13 SWSE Sec 25 T 10S R 05E

Location Map: 14 VERONA
Altitude: 16 315
Met/Meas: 17 A
Accuracy: 18 5
Hydrologic Unit: 20 03160102

Agency Use: 303 A I O
Date Inventoried: 711
Station Type: 4 Y
Data Type: 804

Instru.: 305
Remarks: 306
Relia.: 3 C L M U
2 W

Date of Construction: 21 05/02/1997
Well Use: 23 W
Water Use: 24 P
Primary Aquifer: 714 111FMTW
Hole Depth: 27 156

MU

Well Depth: 28 150
Water Level: 30 59
Water Level Date: 31 10/12/1997
Method: 34
Status: 37
Source: 33 D

CONSTRUCTION DATA

R=58 T=A 725#1 60 10/12/1997 63 02 Name Herndon 65 H 66 G

CONSTRUCTION CASING DATA

				Top/Casing	Bot/Casing	Diameter
R=76	T=A	725#1	59#1	77 0	78 44	79 10
R=76	T=A	725#2	59#1	77 38	78 44	79 16

CONSTRUCTION OPENINGS DATA

				Top/Depth	Bot/Depth	Diameter	Type	Length	Width
R=82	T=A	726#1	59#1	83 44	84 150	87 16	85 S	89	88 0200
R=82	T=A	726#2	59#1	83	84	87	85	89	88

CONSTRUCTION LIFT DATA

R=82 T=A 254#1 Lift Type 43 T Date 38 10/12/1997 Intake 44 126

Power: 45 E
H.P: 46 40
Serial No.: 49

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159 10/12/1997 Owner Name 161 VERONA

MISCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Loc No. 190 170 Assigner 191 MISSISSIPPI

Well #4

MISCELLANEOUS DW DATA

			Date of Measurement	Aquifer Sampled	Temp	Value
R=192	T=A	738#1	193 / /	195	196#00010	197

			Date of Measurement	Aquifer Sampled	Sp Cond	Value
R=192	T=A	738#2	193 / /	195	196#00095	197

			Date of Measurement	Aquifer Sampled	pH	Value
R=192	T=A	738#3	193 / /	195	196#00400	197

MISCELLANEOUS LOGS DATA

			Log Type	Beg. Depth	End Depth
R=198	T=A	739#1	199 E	200 0	201 530
R=198	T=A	739#2	199 D	200 0	201 560

MISCELLANEOUS NETWORK DATA 706 = QW WL WD *

			Beg. Year	End Year		Agency Source	Freq.
R=114	T=A	730#1	115	116	120=A	117#	118
R=121	T=A	730#2	115	116		117#	118

MISCELLANEOUS REMARKS DATA

			Date of Remarks	Remarks
R=183	T=A	311#1	184 / /	185

DISCHARGE DATA

		Pump/ Flow		Date	Type	Discharge	Sp. Capacity
R=166	T=A		147#1	148 10/12/1997	703 P	150 3216	272

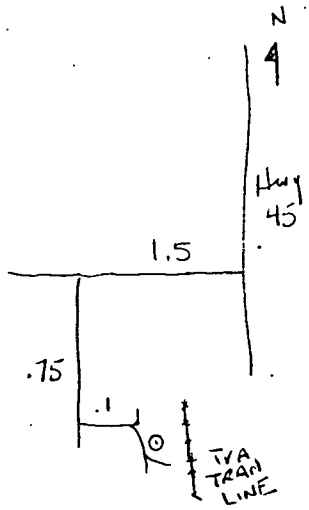
GEOHYDROLOGIC DATA

			Depth Top	Depth Bot.	Unit Id	
R=90	T=A	721#1	91 400	92 560	93 EUTW	304

HYDRAULIC DATA

			Unit Tested		
R=98	T=A	790#1		100	103

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Red Sandy Clay	0	15
Blue Clay	15	280
Fine Sand	280	340
Blue Sandy Clay	340	380
Clay	380	390
Good Sand	390	540
Sand	540	560
Rock (1'6")		170



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Bureau of Land and Water Resources

P. O. Box 10631
Jackson, MS 39289-0631
WATER WELL DRILLERS LOG

COUNTY WELL LOCATED	Lee
WELL NUMBER	4
CODED	✓
	K 107
DATE WELL COMPLETED	10/22/97
PERMIT NUMBER	GW15157
NAME OF DRILLING FIRM	HERNDON WELL & SUPPLY
	SHANNON, MS

NAME & MAILING ADDRESS OF LANDOWNER
CITY OF VERONA

VERONA, MS 38879

WELL LOCATION: SEC 25 TOWNSHIP 10 N/S RANGE 5 E/W

DISTANCE Inside city limits Miles DIRECTION of NEAREST TOWN

OTHER LANDMARK

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 40

Pump Capacity (GPM)	No. of Stages	Setting Depth
300	14	260 FT.

PUMP TEST

Well yielded 326 GPM with a drawdown of 59.50 ft. after 8 hours of pumping

WELL DATA

Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
508	10	445
Type of Casing	**Hole Depth**	**Depth to Static Water Level**
Steel	560	158'10"

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

Top of Lap Pipe or Reduction in Casing
384.58 FEET

IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

LOG DATA

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

Name of Organization Running Log
Herndon Well & Supply, Inc.

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	[illegible]	[illegible] Test

Driller's Remarks

RECEIVED
JAN 14 1998
Dept. of Environmental Quality
Office of Land & Water Resources

SCREEN DATA

Diameter - Inches	Length - Feet	Slot Size - Inches
6	60.82	.020
Screen Type		**Depth to Bottom - Feet**
SS Ribbed		508

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (continued)	FROM	TO
Red Sandy Clay	0	15			
Blue Clay	15	280			
Fine Sand	280	340			
Blue Sandy Clay	340	380			
Clay	380	390			
Good Sand	390	540			
Sand	540	560			
Rock (1'6")		170			
			IF MORE SPACE IS NEEDED, USE BACK		

If well telescopes please sketch and show depths.

GROUND LEVEL

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

SECTION _____

Please indicate well location X.

ADDITIONAL INFORMATION

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Phillips / Jennings DATE: 10/27/98

UNIT DEQ #: No tag FILE #: B1027 21A

HEALTH DEPT. #: 410016-04 ELEV. 315

USGS #: K107 OLWR #: GW15157

OWNER: Verona QUAD: Verona

LOCATION: SW/SE S 25 T 10S R 5E COUNTY: Lee

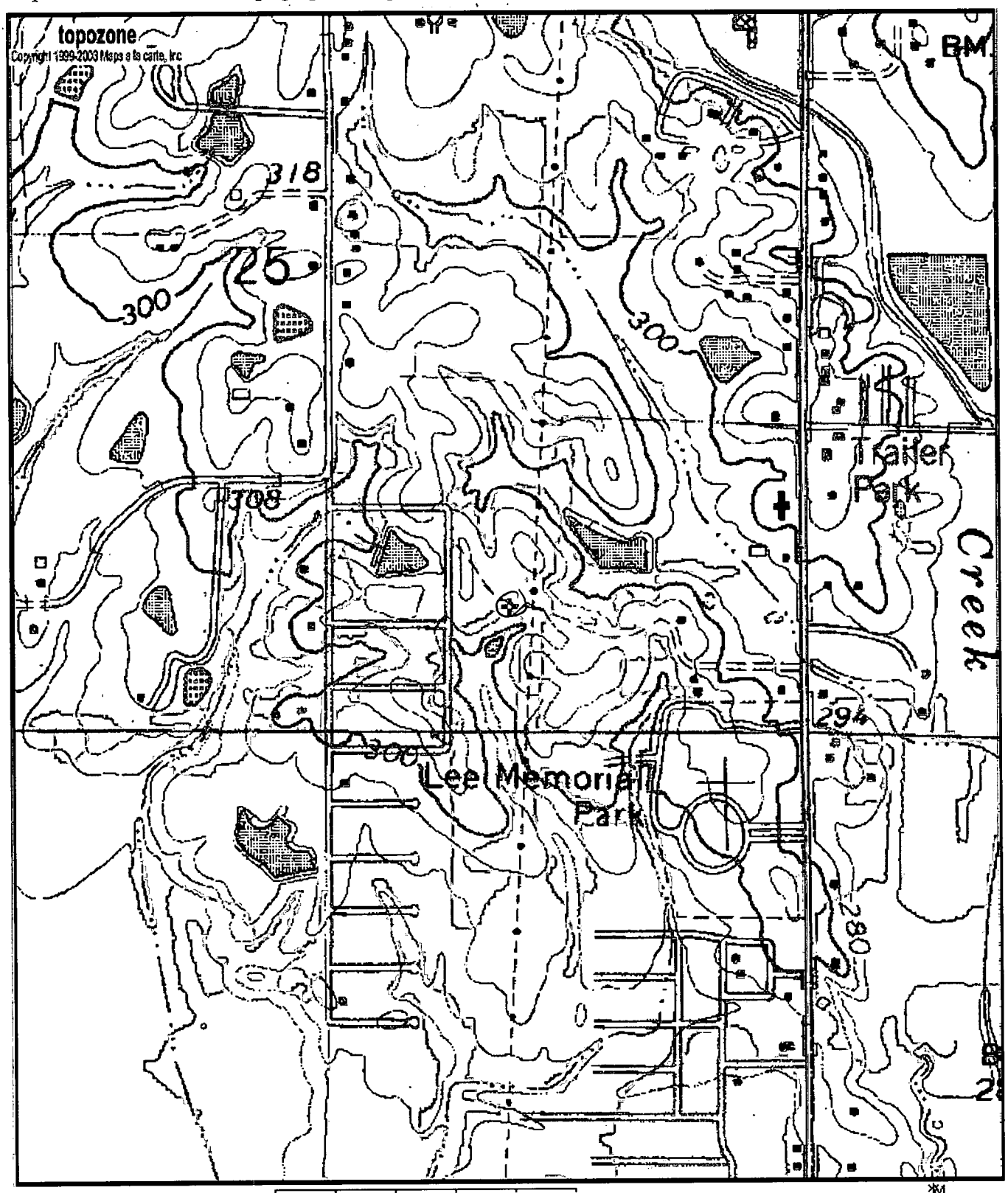
LOCATION DESCRIPTION: At end of Herron Rd at elevated tank

CASING DIA: PUMP TYPE & SIZE: Turbine; 40

GPS FIELD LOCATION: LAT. 34° 10' 46.8" LONG. 88° 43' 30.7"

GPS CORRECTED LOCATION: LAT. 34.179207 LONG. 88.725205

REMARKS: New well



K107
GW15157
0410016-04

0 0.1 0.2 0.3 0.4 0.5 km

0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 34° 10' 45"N, 88° 43' 31"W (WGS84/NAD83)
Verona quadrangle
Projection is UTM Zone 16 NAD83 Datum

M=-0.856
G=-0.969