**TRANSMITTED FOR ADP.**

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

**Site ID:** 323.41.29.01.8.9.0.0.1.0.0.1.2.0.1

**Date:** 8-18-86

**Agency:** USGS

**Well NO.:** A33

**Well No.:** 67

**Data relab:** 3-11-96

**Hyd. Unit:** 211.9.18.6.10.10.2

**Date:** 211.9.81.6.10.8.10.8

**YYYY/MM/DD:** 17-M

**Agency Use:** 23-W

**Well Use:** 24-P

**Water Use:** 24-P

**Hole depth:** 271.1

**Well depth:** 281.2

**WL:** 30.14.1.1

**Date:** 31.11.9.1.1.1.2

**Source:** 33-12

**Project No.:** 5

**Lift Type:** 43-11

**Intake:** 44-11

**Power Type:** 45-E

**H.P.:** 46.1

**Method:** 65-H

**Finish:** 66-61

**Remarks:**

- Top csng: 77
- Bot.csng: 78
- Diam: 79
- Top: 83
- Bottom: 84
- Size: 88
- Type: 85

**Diam.:** 87

**Size:** 88

**Top:** 91

**Bot:** 92

**Unit Id:** 93

**Transmissivity:** 110

**Storage coeff.:**

<table>
<thead>
<tr>
<th>Hydraul. cond. (gal/d)/ft²</th>
<th>108</th>
</tr>
</thead>
</table>
R=146  T=A  Flows/Pumped (circle one) 147#  148=  1987/10/01/04  Q  150=  3.39

R=158  T=A  Date 159#  1987/01/02  Owner No.

Owner 161#  L+F  W  A  

R=189  T=A  E-Log No. 190# 157  191#  H  1  S  S  D  I  S  T

R=192  T=A  Date 193#  1986/09/11  Temp 196# 00010  197# 28.10

R=192  T=A  Date 193#  1986/09/11  Cond 196# 00005  197#

R=192  T=A  Date 193#  1986/09/11  pH 196# 00040 -197# 8.14

R=198  T=A  Log 199# E  Top 200# 14.51  Bot 201# 12.51

R=198  T=A  Log 199# D  Top 200# 10  Bot 201# 12.50

Remarks: R=183  311#

150' dd = 300 gpm

<table>
<thead>
<tr>
<th>Description of formations encountered</th>
<th>from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay</td>
<td>0</td>
<td>146</td>
</tr>
<tr>
<td>Sandy clay</td>
<td>146</td>
<td>299</td>
</tr>
<tr>
<td>Sandy shale</td>
<td>299</td>
<td>450</td>
</tr>
<tr>
<td>Clay</td>
<td>450</td>
<td>540</td>
</tr>
<tr>
<td>Clay and shale</td>
<td>540</td>
<td>615</td>
</tr>
<tr>
<td>Clay and sandstone</td>
<td>615</td>
<td>641</td>
</tr>
<tr>
<td>Sandy clay</td>
<td>641</td>
<td>842</td>
</tr>
<tr>
<td>Sandy shale</td>
<td>842</td>
<td>953</td>
</tr>
<tr>
<td>Sandstone</td>
<td>953</td>
<td>1046</td>
</tr>
<tr>
<td>Sandstone and clay</td>
<td>1046</td>
<td>1150</td>
</tr>
<tr>
<td>Sand</td>
<td>1150</td>
<td>1230</td>
</tr>
<tr>
<td>Clay</td>
<td>1230</td>
<td>1250</td>
</tr>
<tr>
<td>LANDOWNER</td>
<td>description of formations encountered</td>
<td>from</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Scott</td>
<td>clay</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>sandy clay</td>
<td>145</td>
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<tr>
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<td>sandy shale</td>
<td>299</td>
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<tr>
<td></td>
<td>clay</td>
<td>454</td>
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<tr>
<td></td>
<td>clay, sandstone</td>
<td>546</td>
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<tr>
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<td>clay</td>
<td>615</td>
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<td></td>
<td>sandy clay</td>
<td>641</td>
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<td>sandy shale</td>
<td>832</td>
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<tr>
<td></td>
<td>shale</td>
<td>953</td>
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<tr>
<td>WELL PURPOSE: municipal</td>
<td>load shale - clay</td>
<td>1046</td>
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<tr>
<td></td>
<td>sand</td>
<td>1150</td>
</tr>
<tr>
<td></td>
<td>clay</td>
<td>1220</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>WELL COMPLETION DATA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) diameter (inches)</td>
</tr>
<tr>
<td>(2) total depth (feet)</td>
</tr>
<tr>
<td>(3) static water level (feet) below top of ground</td>
</tr>
<tr>
<td>(4) casing (material)</td>
</tr>
<tr>
<td>10&quot; (size) 1150 (length)</td>
</tr>
<tr>
<td>8&quot; (size) 0.020 scot (material)</td>
</tr>
<tr>
<td>(5) pump (HP)</td>
</tr>
<tr>
<td>(6) electric log</td>
</tr>
<tr>
<td>(7) organization running log</td>
</tr>
<tr>
<td>(8) how well bottom plugged</td>
</tr>
</tbody>
</table>

DRILLERS REMARKS:
Department of Environmental Quality  
Office of Land and Water Resources  

Ground Water Permit  
General Report  

Permit Number: MS-GW-04292  

County: SCOTT  
Owner: L & F WATER ASSOCIATION  
Aquifer: MUNX  
USGS No: A0033  
BOH No: 0620007-02  

Location: SW 1/4 of the NE 1/4 of SEC 03  
TWN 08N  RNG 06E  
Lat: 323104  Long: 894008  

Quad: LUDLOW  
District: N/A  

Date Issued: 10-FEB-87  
Date Renewed: 26-MAR-96  
Date Expired: 11-MAR-06  

Applicant: L & F WATER ASSOCIATION  
Address 1: P. O. BOX 27  
Address 2: N/A  
Address 3: N/A  
City: LUDLOW  
State: MS  Zip: 39098  

Driller: HERNDON WELL & SUPPLY, INC.  

Owner: L & F WATER ASSOCIATION  
Address 1: P. O. BOX 27  
Address 2: N/A  
Address 3: N/A  
City: LUDLOW  
State: MS  Zip: 39098  

Maximum Rate: 340  
Amount Withdrawn Acre feet: 123.2351  
Amount Withdrawn Mgd: .11  

Use  
RURAL WATER ASSOCIATION  

Casing  
Type: STEEL  
Diameter: 12  
Length: 1150  

Screen  
Type: STAINLESS STEEL  
Diameter: 8  
Length: 60
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips       DATE: 4/6/97
UNIT DEQ #:                     FILE #: A042415c
HEALTH DEPT. #: 620007-02       ELEV. 429 415' 7/29/04
USGS #: A33 bKw04/28/04 OLWR #: C0004292 bKw04/28/04
OWNER: L.E. F.W.A.            QUAD: Ludlow
LOCATION: SW/NE 3 T.E. R.6E. COUNTY: Scott
LOCATION DESCRIPTION: On Hillsboro-Ludlow Rd (North side), 2.5 miles east of intersection w/Hwy 483
CASING DIA: 12"    PUMP TYPE & SIZE: Turbine, 50 HP
GPS FIELD LOCATION: LAT. 32° 34'.300" N LONG. 89°40'.147" W
GPS CORRECTED LOCATION: LAT. 32°57'.169" N LONG. 89°66'.940" W
REMARKS: Measured 30' south of well
Elevated tank on site
Note: A23 (6W-1670 is also at this site but is standby only, it has no health tag)

9/13/00 WW/CBB
32.57181   89.66901 (gt well)
32° 31' 4.12"   89°40' 8.44"

10/20/04
LWW
32.57181
89.66909