

FEB-13-2008 10:41AM FROM-LAYNE CENTRAL COMPANY

8017284872

T-997 P.006/010 F-701

**STATE WELL REPORT**

**Part I - Driller's Log**

Mississippi Department of Environmental Quality  
 Office of Land and Water Resources  
 P.O. Box 10631  
 Jackson, MS. 39289-0631  
 (601)961-5210  
 (601) 354-6938 (fax)

County:	Desoto
Permit #	
Driller:	David Walker
Date drilling completed:	4/10/02

For Office Use Only:	
Aquifer:	
Well #:	F156
L.S. Elevation:	
E-Log #:	

*State Law requires that this report be prepared by the license holder responsible for the work and filed with the Department at the above address within 30 days of completion of drilling of the well or borehole.*

<b>Information on Well Owner</b> (Landowner if borehole is not for a water well) Owner Name: <u>City of Southaven</u> Mailing Address: <u>8710 Northwest Drive</u> <u>Southaven MS 38671</u> City State Zip Code Telephone No. <u>(662) 393-6939</u>			<b>Well or Borehole Location</b> Latitude: <u>N34° 55' 31"</u> Longitude: <u>W89° 59' 31"</u> Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS <u>NE</u> 1/4 <u>SE</u> 1/4 Sec <u>12</u> Twn <u>25</u> Rng <u>8W</u> Distance Direction <u>25</u> Nearest Town Milcs of		
<b>Well / Borehole Data</b> Date drilling started: <u>4/5/02</u> Date drilling completed: <u>4/10/02</u> Hole depth: <u>360'</u> Hole diameter: <u>97/8"</u> Location of the source of any surface water used for drilling: <u>NA</u> Method of dosing and volume of Chlorine used in drilling and development: _____ Logs run (circle all applicable): No log run <u>Electric</u> Gamma Ray Density Sonic Neutron Other: _____ Name of organization running log(s): <u>Layne</u> Purpose of borehole (check one): Water Well <input checked="" type="checkbox"/> Geotechnical/Geological Investigation <input type="checkbox"/> Ground Source Heat Pump <input type="checkbox"/> Seismic Survey <input type="checkbox"/> Other (describe) <u>Test well that was abandoned</u> <i>If drilling is not related to water well construction, skip the remainder of this block</i>					
Purpose of Well (check one): Home <input type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture <input type="checkbox"/> Other: <u>Test Hole</u> If a flowing well, method of flow regulation: Valve <u>NA</u> Other (describe) <u>NA</u> Static Water Level: <u>121'</u> feet above or <u>below</u> (circle one) land surface Date measured: <u>4/10/02</u> Method of Measurement (circle one) steel tape <u>electric tape</u> airline other: _____ Well depth: <u>360'</u> Well grouted to a depth of <u>NA</u> feet Type of grout (circle one) Neat Cement Bentonite Mix Casing length: <u>320</u> feet Casing diameter: <u>6"</u> feet Type of casing: <u>Steel</u> Screen length: <u>40</u> feet Screen diameter: <u>6"</u> inches Type of screen: <u>Stainless steel</u> Screen slot size: <u>.020</u> inches Setting depth: From <u>320</u> feet to <u>360</u> feet Type of completion (circle all applicable): <u>Gravel packed</u> Underreamed Telescoped Open hole Natural Development Other (describe): _____ Top of lap pipe or reduction in casing: <u>NA</u> feet. <u>If telescoped or more than one screen, describe on next page</u>					

Well PaA 5/8/2002

FEB-13-2008 10:41AM FROM-LAYNE CENTRAL COMPANY

8017284872

T-997 P.009/010 F-701

F156

The sketch below only required for water wells

Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

If well telescopes show depths on sketch.

Ground Level

Description of Formations Encountered	From (depth)	To (depth)
	Ground Level	
Top Soil	1	1
Brown & Tan Clay	1	15
Light gray clay	15	17
Tan sandy clay	17	35
Coarse sand with clay	35	47
Gravel	47	53
Medium sand with clay str	53	165
Gray clay strip	165	170
Medium sand with clay	170	280
Medium gray sand	280	365
Sand stone	365	366
Coarse red sand	366	380
Medium gray sand	380	400
Gray clay	400	438

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

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) a north arrow.

Landowner Name: \_\_\_\_\_

Form: OLWR-SWR-1A

I certify that the well/borehole was drilled, constructed, and completed in accordance will all applicable requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations, if applicable, and state laws.

P. Michael Holloway 0-787

Print Name of Responsible Licensee and License No.

Date

Signature of Licensee