

# State Well Report

## Part 1 – 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: Benton  
Permit #: 0-162  
Driller: Larry Carpenter  
Date drilling completed: 1-31-09

For Office Use Only:

Aquifer: \_\_\_\_\_  
Well #: A-46  
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.**

Information on Well Owner <i>(Landowner if borehole is not for a water well)</i>	Well or Borehole Location
Owner Name: <u>Southern Home</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>P.O. Box 5172</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
<u>Holly Springs</u> <u>Ms.</u> <u>38634</u> City State Zip Code	_____ 1/4 _____ 1/4 Sec <u>20</u> Twn <u>15</u> Rng <u>1W</u>
Telephone No. <u>(662) 252-3492</u>	Distance <u>4 1/2</u> Miles Direction <u>South</u> of Nearest Town <u>Jasper</u>

**Well / Borehole Data**

Date drilling started: 1-31-09 Date drilling completed: 1-31-09 Hole depth: 160' Hole diameter: 8"

Location of the source of any surface water used for drilling: Well Water

Method of dosing and volume of Chlorine used in drilling and development: 12 Ppt. Chlorine to 1000 Gal. Water

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: \_\_\_\_\_

Name of organization running log(s): \_\_\_\_\_

Purpose of borehole (check one): Water Well  Geotechnical/Geological Investigation \_\_\_\_\_ Ground Source Heat Pump \_\_\_\_\_

Seismic Survey \_\_\_\_\_ Other (describe) \_\_\_\_\_

***If drilling is not related to water well construction, skip the remainder of this block***

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Purpose of Well (check one): Home  Industrial \_\_\_\_\_ Public Supply \_\_\_\_\_ Irrigation \_\_\_\_\_ Fish Culture \_\_\_\_\_ Other: \_\_\_\_\_

If a flowing well, method of flow regulation: Valve \_\_\_\_\_ Other (describe) \_\_\_\_\_

Static Water Level: 60 feet above or below (circle one) land surface Date measured: 1-31-09

Method of Measurement (circle one) steel tape electric tape air line other: \_\_\_\_\_

Well depth: 160' Well grouted to a depth of 10 feet Type of grout (circle one) Neat Cement Bentonite Mix

Casing length: 150 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 10 feet Screen diameter: 4 inches Type of screen: PVC

Screen slot size: .013 inches Setting depth: From 150 feet to 160 feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development

Other (describe): \_\_\_\_\_

Top of lap pipe or reduction in casing: \_\_\_\_\_ feet. ***If telescoped or more than one screen, describe on next page***

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# STATE WELL REPORT

## Part 2

**Pump Installer's Completion Report**  
 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: Boston  
 Permit #: 0-162  
 Driller: Larry Carpenter  
 Date completed: 1-31-09  
**Copy information from block on Part 1**

**For Office Use Only:**

Aquifer: \_\_\_\_\_  
 Well #: A-46  
 Elevation: \_\_\_\_\_

**This part of the report must be completed by a licensed water well contractor or a licensed pump installer. A copy of Part 1 of the report must be attached and both parts filed with the Department at the above address within 30 days of well completion.**

Well Owner Information	Well Location
Owner Name: <u>Southern Homes</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>P.O. Box 5172</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Holly Springs</u> <u>NC</u> <u>38634</u>	USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____
City State Zip Code	_____ 1/4 _____ 1/4 Sec <u>20</u> T <u>15</u> R <u>1W</u>
Telephone No. <u>(662) 252-3492</u>	Distance Direction Nearest Town
	<u>4 1/2</u> Miles <u>North</u> of <u>Lamar</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input type="radio"/> <input checked="" type="radio"/> <b>Submersible</b>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston <input type="radio"/> Turbine <input type="radio"/>	<input checked="" type="radio"/> <b>Electric Motor</b> Hand Tractor PTO
Centrifugal Rotary <input type="radio"/> Flowing Well <input type="radio"/>	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>3/4</u>
Date Pump Installed: <u>1-31-09</u>	Setting Depth: <u>90</u> feet
Rated Pump Capacity: <u>10</u> Gallons Per Minute	Number of Stages: <u>11</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>1-31-09</u>	Air Line Electric Measuring Line <input checked="" type="radio"/> <b>Steel Tape</b>
Static Water Level (A): <u>60</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>66</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown (B) - (A): <u>6</u> Feet Below Land Surface	Well yielded <u>16</u> GPM with a drawdown of
Test Pumping Rate: <u>16</u> Gallons Per Minute	<u>6</u> feet after <u>4</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

LARRY CARPENTER 0-162 Larry Carpenter  
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

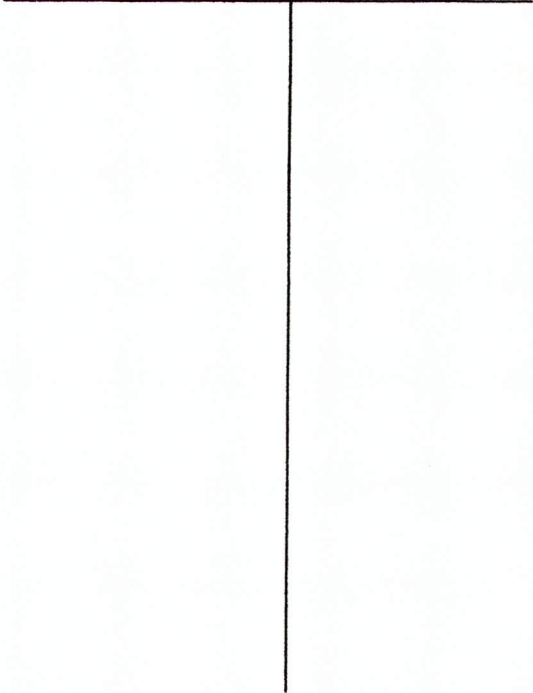
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A-46

The sketch below only required for water wells

If well telescopes, show depths on sketch.

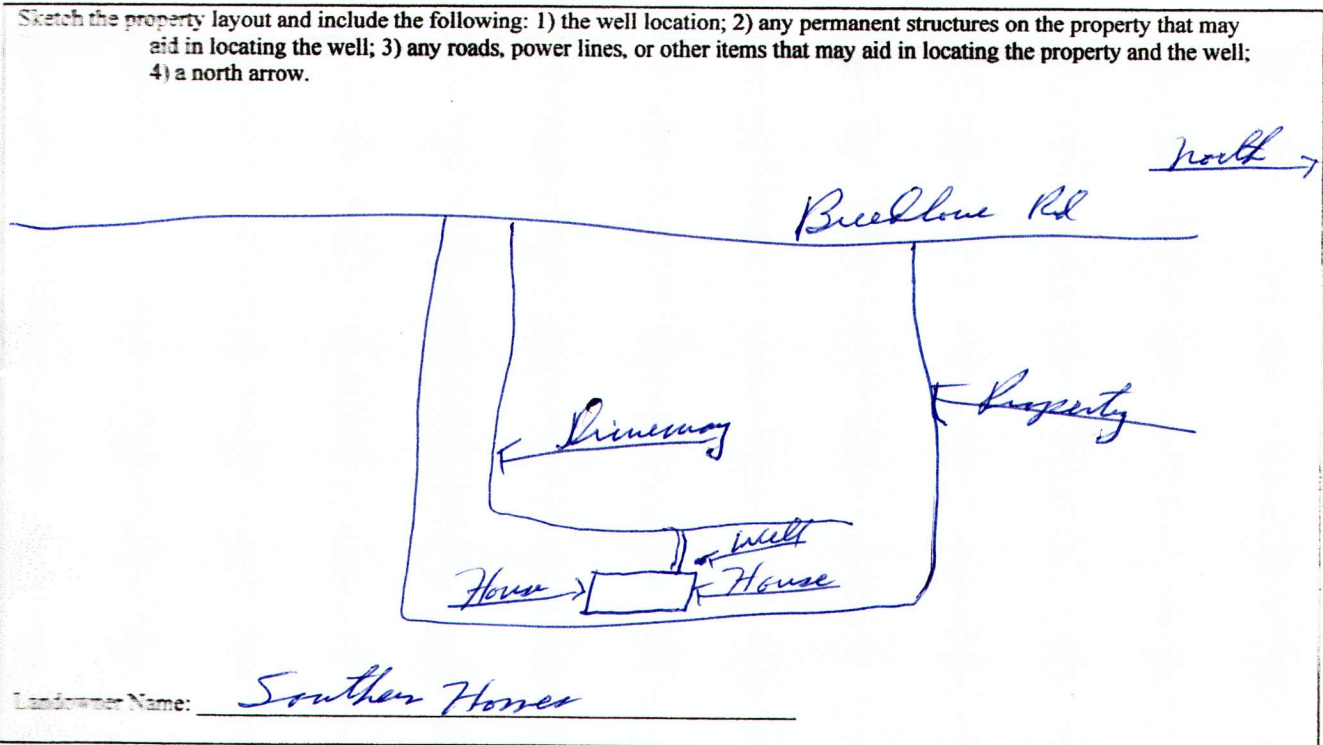
Ground Level  $\rightarrow$



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

Description of Formations Encountered	From (depth)	To (depth)
Surface Soil	0	18
Med. Red Sand	18	29
Med White Sand	29	70
White clay	70	92
Fine white Sand	92	125
White coarse Sand	125	160

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



Form: OLWR-SWR-1A

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

LARRY CARPENTER 0-162      2-7-09

Larry Carpenter

Print Name of Responsible Licensee and License No.

Date

Signature of Licensee

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