

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: Weshell
 Permit #: 0-162
 Driller: Larry Carpenter
 Date drilling completed: 5-16-08

For Office Use Only:

Aquifer: _____
 Well #: F-139
 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.

<p style="text-align: center;">Information on Well Owner (Landowner if borehole is not for a water well)</p> <p>Owner Name: <u>Southern Home</u> Mailing Address: <u>P.O. Box 5172</u> <u>Holly Springs</u> <u>NC</u> <u>38634</u> City State Zip Code Telephone No. <u>(662) 252 3497</u></p>	<p style="text-align: center;">Well or Borehole Location</p> <p>Latitude: <u>34° 55' 22"</u> Longitude: <u>84° 30' 42"</u> Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS <u>SW 1/4 NW 1/4 Sec 9 10 Twn 25 Rng 3 N</u> Distance <u>1</u> Miles <u>South</u> of <u>Mt. Pleasant</u></p>
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Well / Borehole Data

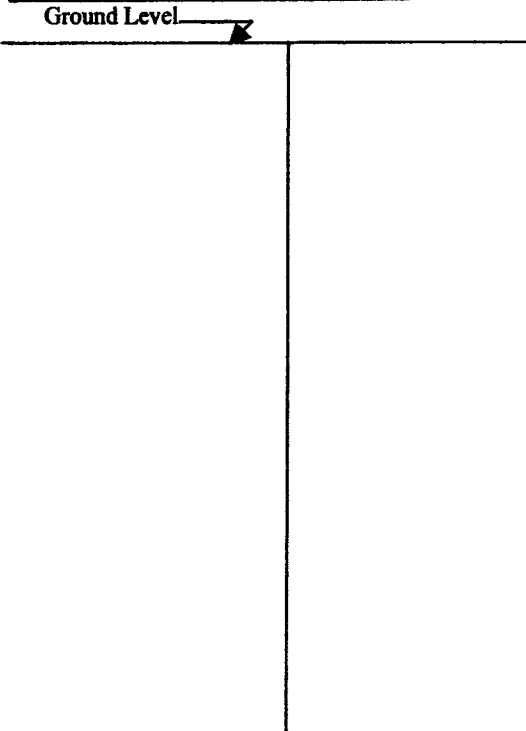
Date drilling started: 5-16-08 Date drilling completed: 5-16-08 Hole depth: 150' Hole diameter: 8"
 Location of the source of any surface water used for drilling: well water
 Method of dosing and volume of Chlorine used in drilling and development: 1/2 lb Chlorine to 1000 gal Water
 Logs run (circle 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

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: 90 feet above or below (circle one) land surface Date measured: 5-16-08
 Method of Measurement (circle one) (steel tape) electric tape air line other: _____
 Well depth: 150' 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~~ 10 feet Screen diameter: 4 inches Type of screen: PVC
 Screen slot size: .013 inches Setting depth: From 140 feet to 150 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***

Form: **RECEIVED**
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The sketch below only required for water wells

If well telescopes, show depths on sketch.

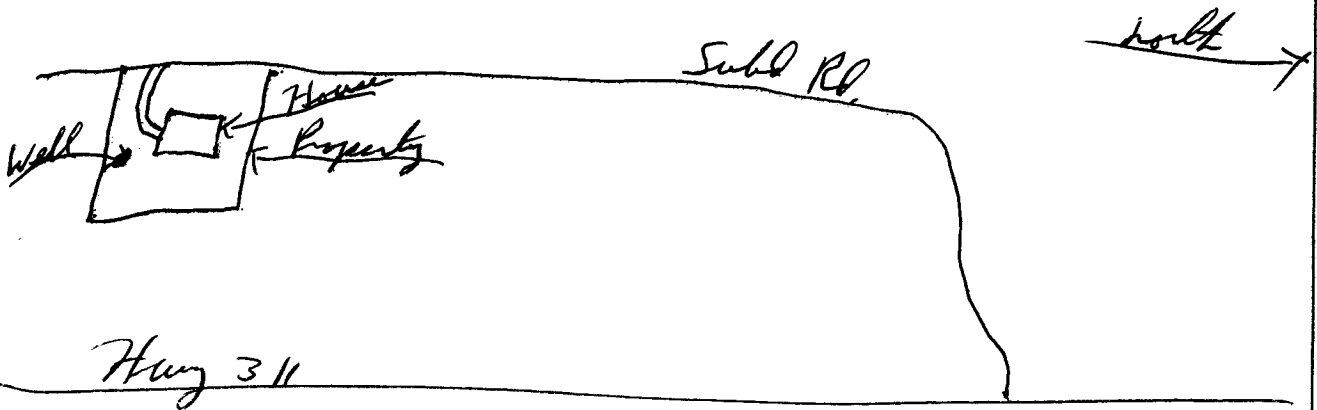


Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

Description of Formations Encountered	From (depth)	To (depth)
	Ground Level	
Surface Soil	0	20
med Red Soil	20	41
med White Soil	41	80
Fine White Soil	80	95
White clay	95	110
Coarse White Soil	110	150

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.



May 311

Landowner Name: Southern Homes

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 5-18-08
 Print Name of Responsible Licensee and License No. Date

Larry Carpenter
 Signature of Licensee

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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)

For Office Use Only:

Aquifer: _____
 Well #: F-139
 Elevation: _____

County: Marshall
 Permit #: 0-162
 Driller: Larry Carpenter
 Date completed: 5-16-08
Copy information from block on Part 1

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 5122</u>	Method of Lat/Long (check 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	$\frac{1}{4}$ _____ $\frac{1}{4}$ Sec <u>9</u> T <u>25</u> R <u>3W</u>
Telephone No. <u>(662) 252-3497</u>	Distance _____ Direction _____ Nearest Town _____ <u>1</u> Miles <u>South</u> of <u>Mt. Pleasant</u>

Pump Type Circle one	Power Type Circle one
Air Lift <input type="checkbox"/> Jet <input type="checkbox"/> <u>Submersible</u>	Diesel Engine <input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Natural Gas <input type="checkbox"/>
Bucket <input type="checkbox"/> Piston <input type="checkbox"/> Turbine <input type="checkbox"/>	<u>Electric Motor</u> <input type="checkbox"/> Hand <input type="checkbox"/> Tractor PTO <input type="checkbox"/>
Centrifugal <input type="checkbox"/> Rotary <input type="checkbox"/> Flowing Well <input type="checkbox"/>	Windmill <input type="checkbox"/> Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>3/4</u>
Date Pump Installed: <u>5-16-08</u>	Setting Depth: <u>110</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>5-16-08</u>	Air Line <input type="checkbox"/> Electric Measuring Line <input type="checkbox"/> <u>Steel Tape</u>
Static Water Level (A): <u>90</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>96</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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 BY: OLIVER SWAN