

# 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: George  
Permit #: \_\_\_\_\_  
Driller: Michael S. Havard  
Date drilling completed: 10-06-08

For Office Use Only:  
Aquifer: \_\_\_\_\_  
Well #: D-136  
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 (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: <u>Nathan Havard</u>	Latitude: <u>31° 00' 28"</u> Longitude: <u>88° 26' 35"</u> <u>30 59 18</u> <u>20</u>
Mailing Address: <u>159 Cameron Road</u>	Method of Lat/Long (circle one): Conventional Survey, <u>20</u>
<u>Lucedale MS 39452</u>	USGS quad, <u>Hand-held GPS</u> , Survey-grade GPS
City State Zip Code	<u>NE</u> 1/4 <u>SW</u> 1/4 Sec <u>1</u> Twn <u>T15</u> Rng <u>R5W</u>
Telephone No. <u>(601) 947-5843</u>	Distance Direction Nearest Town <u>9</u> Miles <u>NE</u> of <u>Lucedale</u>

**Well / Borehole Data**

Date drilling started: 10-6-08 Date drilling completed: 10-6-08 Hole depth: 168 Hole diameter: 7.25

Location of the source of any surface water used for drilling: \_\_\_\_\_  
Method of dosing and volume of Chlorine used in drilling and development: \_\_\_\_\_

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: 46 feet above or below (circle one) land surface Date measured: 10-07-08

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

Well depth: 168 Well grouted to a depth of 15 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 158 feet Casing diameter: 4 inches Type of casing: Pvc 540 BE

Screen length: 10 feet Screen diameter: 4 inches Type of screen: Pvc WOP

Screen slot size: .008 inches Setting depth: From 158 feet to 168 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: OLWR-SWR-1A

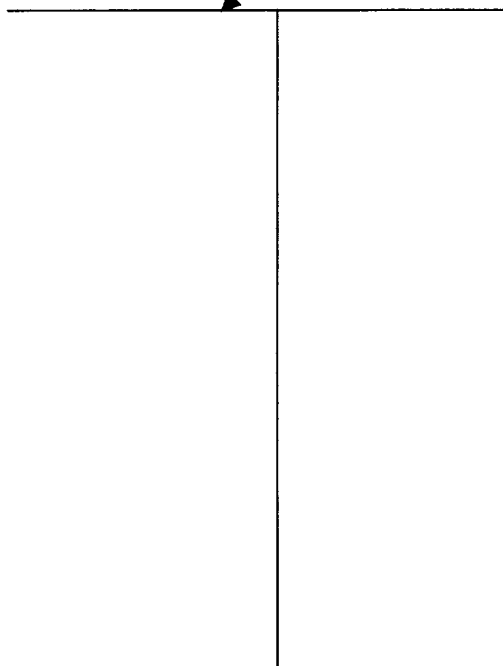
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The sketch below only required for water wells

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

If well telescopes, show depths on sketch.

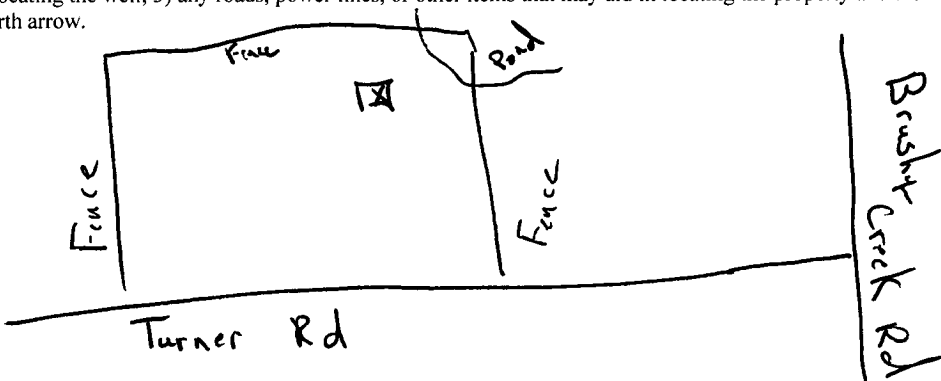
Ground Level →



Description of Formations Encountered	From (depth)	To (depth)
Top-sand	Ground Level	1
Clay	1	38
Sand (fine-med)	38	63
Clay	63	135
Sand (med to coarse)	135	168

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: Nathan Havens

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.

Michael S. Harvard 0-693 11-02-08  
Print Name of Responsible Licensee and License No. Date

[Signature]  
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)

County: George  
 Permit #: \_\_\_\_\_  
 Driller: Michael S. Howard  
 Date completed: 10-07-08  
*Copy information from block on Part 1*

**For Office Use Only:**

Aquifer: \_\_\_\_\_  
 Well #: D-136  
 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>Nathan Havens</u>	Latitude: <u>N31°00.73</u> Longitude: <u>W88°26.33</u>
Mailing Address: <u>159 Cameron Road</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Lucedale MS 39452</u> City State Zip Code	USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
Telephone No. <u>(601) 947-5843</u>	_____ ¼ _____ ¼ Sec <u>1</u> T <u>15</u> R <u>5W</u>
	Distance Direction Nearest Town
	<u>9</u> Miles <u>NE</u> of <u>Lucedale</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input type="checkbox"/> <u>Submersible</u>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine	<u>Electric Motor</u> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>1.5 HP</u>
Date Pump Installed: <u>10-10-08</u>	Setting Depth: <u>105</u> feet
Rated Pump Capacity: <u>27</u> Gallons Per Minute	Number of Stages: <u>10</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>10-10-08</u>	Air Line <input type="checkbox"/> <u>Electric Measuring Line</u> Steel Tape
Static Water Level (A): <u>46</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>63</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>17</u> Feet Below Land Surface	Well yielded <u>35</u> GPM with a drawdown of
Test Pumping Rate: <u>35</u> Gallons Per Minute	<u>17</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.

Michael S. Howard 0-673 [Signature]  
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

Form: OLWR-SWR-1B  
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