

# State Well Report

## Part 1

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 #: J-121  
L. S. Elevation: \_\_\_\_\_  
E-log #: \_\_\_\_\_

County: Hinds  
Permit #: \_\_\_\_\_  
Driller: Gary Rayborn  
Date drilling completed: 5/14/09

State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.

Well Owner Information	Well Location
Owner Name: <u>Tim Patterson</u>	Latitude: <u>32° 16' 43"</u> Longitude: <u>90° 40' 08"</u>
Mailing Address: <u>407 Haas St</u>	Method of Lat/Long (circle one): Conventional Survey,
<u>Vicksburg MS 39180</u>	USGS quad, Hand-held GPS, Survey-grade GPS
City State Zip Code	<u>SW 1/4 NW 1/4 Sec 13 Twn 15N Rng 5E</u>
Telephone No. <u>(601) 852-9026</u>	Distance Direction Nearest Town
	<u>2 Miles E of Gibbs Lake</u>

**Well Data**

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

Date well drilling started: 5/14/09 Date well drilling completed: 5/14/09

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

Static Water Level: 50' feet above or below (circle one) land surface Date measured: 5/14/09

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

Hole depth: 71' Well depth: 70' Well grouted to a depth of 10 feet

Type of grout (circle one) Cement Bentonite Mix

Casing length: 60 feet Casing diameter: 4 inches Type of casing: PVC

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

Screen slot size: .010 inches Setting depth: From 60 feet to 70 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 back of page

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

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

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

RAYBORN DRILLING, INC. 0-60 \_\_\_\_\_  
Print Name of Water Well Contractor and License No. Signature of Water Well Contractor

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If well telescopes please sketch below and show depths.

Ground Level

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Description of Formations Encountered	From	To
CHALK	0	37
Sand w/Chalk Streaks	37	55
Coarse Sand & Pea Gravel	55	70
ROCK	70	71

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) indicate direction.

The sketch shows a property layout with the following features:  
 - Gibbs Lake: Located to the left, represented by a wavy line with an arrow pointing towards it.  
 - Log Haul Rd: A horizontal road connecting Gibbs Lake to Smith Station Rd.  
 - Smith Station Rd: A vertical road that turns right and then follows a curved path to the right.  
 - Well: A small rectangle labeled 'well' is located on the corner of Log Haul Rd and Smith Station Rd.

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

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Signature of Water Well Contractor

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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 #: J-121

Elevation: \_\_\_\_\_

County: Hinds  
 Permit #: \_\_\_\_\_  
 Driller: Gary Rayborn  
 Date completed: 5/14/09

**This report should be prepared by the pump installer in detail and filed with the Department within 30 days of the installation of pump.**

Well Owner Information	Well Location
Owner Name: <u>Tim Patterson</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>407 Haas St</u>	Method of Lat/Long (circle one): Conventional Survey,
<u>Vicksburg MS 39180</u>	USGS quad, Hand-held GPS, Survey-grade GPS
City State Zip Code	_____ ¼ _____ ¼ Sec <u>13</u> Twn <u>15N</u> Rng <u>5W</u>
Telephone No. <u>(601) 852-9026</u>	Distance Direction Nearest Town
	<u>2</u> Miles <u>E</u> of <u>Gibbs Lake</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input checked="" type="radio"/> <u>Submersible</u>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine	<input checked="" type="radio"/> <u>Electric Motor</u> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>1 HP</u>
Date Pump Installed: <u>5/14/09</u>	Setting Depth: <u>65'</u> feet
Rated Pump Capacity: <u>10</u> Gallons Per Minute	Number of Stages: <u>14</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>5/14/09</u>	Air Line <input checked="" type="radio"/> <u>Electric Measuring Line</u> Steel Tape
Static Water Level (A): <u>50</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): _____ Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: _____ Feet Below Land Surface	Well yielded <u>10</u> GPM with a drawdown of
Test Pumping Rate: <u>10</u> Gallons Per Minute	_____ feet after _____ hours of pumping
Duration of Pump Test (minimum 4 hours): _____ hours	

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

Gary Rayborn 0-60 \_\_\_\_\_  
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

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 MAY 20 2009  
 BY: OLWR