

County: Rankin
 Permit #: _____
 Driller: Walker-Hill Environmental
 Date drilling completed: 4/22/08

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)

For Office Use Only:

Aquifer: _____
 Well #: R-103
 L. S. Elevation: 465'
 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>Mary Esper</u>	Latitude: <u>32 ° 11 ' 46 "</u> Longitude: <u>89 ° 51 ' 27 "</u>
Mailing Address: <u>715 Johns Shiloh Rd.</u>	Method of Lat/Long (circle one): Conventional Survey,
<u>Brandon</u> MS <u>39042</u>	<u>USGS quad</u> Hand-held GPS, Survey-grade GPS
City State Zip Code	SW $\frac{1}{4}$ <u>SE</u> $\frac{1}{4}$ Sec <u>11</u> Twn <u>4N</u> Rng <u>4E</u>
Telephone No. (<u>734</u>) <u>536-1332</u>	Distance Direction Nearest Town <u>10</u> Miles <u>SE</u> of <u>Brandon, MS</u>

Well / Borehole Data

Date drilling started: 4/8/08 Date drilling completed: 4/22/08 Hole depth: 290' Hole diameter: 7.875"

Location of the source of any surface water used for drilling: Creek
 Method of dosing and volume of Chlorine used in drilling and development: 2 cups HCH per 2000 gal. of water

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____
 Name of organization running log(s): Mississippi Office of Geology

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: 95 feet above or below (circle one) land surface Date measured: 4/22/08

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

Well depth: 234' Well grouted to a depth of 50 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 175 feet Casing diameter: 4 inches Type of casing: PVC

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

Screen slot size: .080 inches Setting depth: From 175' 219' feet to 185' 229' feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development
 Other (describe): 20/40 Filter Sand

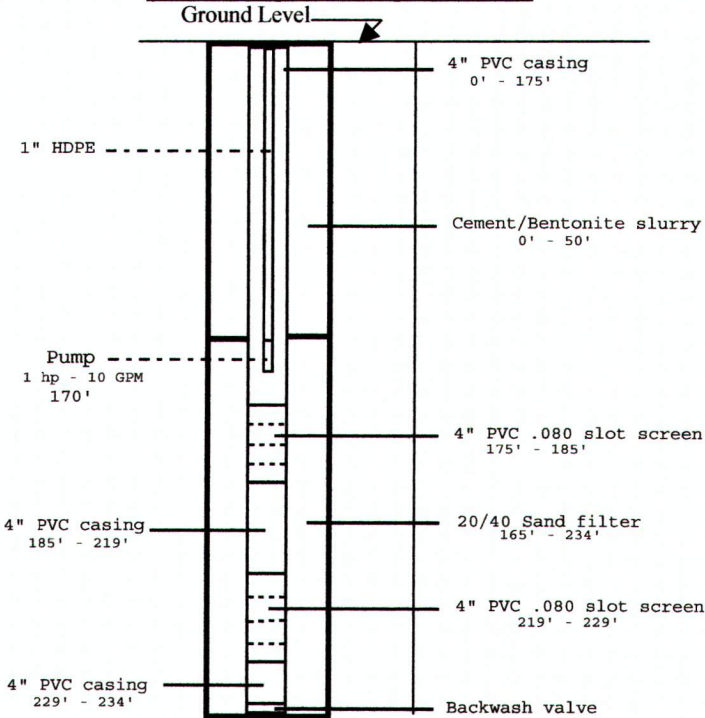
Top of lap pipe or reduction in casing: _____ feet. ***If telescoped or more than one screen, describe on next page***

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R-103

The sketch below only required for water wells

If well telescopes, show depths on sketch.

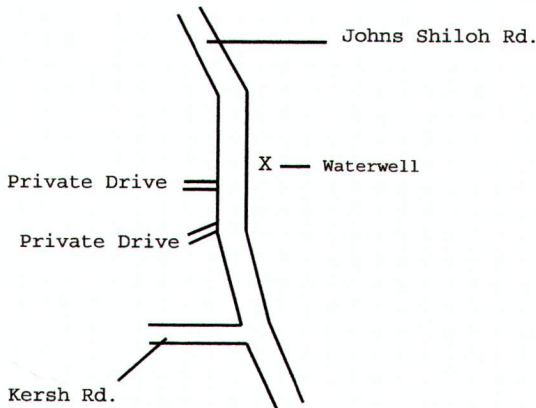


If more than one screen, show location of each on sketch

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)
Clay	Ground Level	20'
Clay; dk gray	20'	40'
Clay w/ shell	40'	60'
Silty clay; gray	60'	80'
Clay; dk gray w/ shell	80'	100'
Clay	100'	115'
Rock	115'	116'
Clay	116'	120'
Rock	120'	125'
Clay	125'	126'
Rock	126'	134'
Clay	134'	137'
Rock & clay	137'	160'
Clay; sandy clay	160'	180'
Sand	180'	183'
Clay	183'	190'
Sandy clay	190'	200'
Clay	200'	220'
Sand; real fine	220'	230'
Clay	230'	240'
Streaked clay bottom	240'	260'
Clay	260'	280'
Sand	280'	290'

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: Mary Esper - waterwell

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.

Ray P Hill 0-578 5-2-08
 Print Name of Responsible Licensee and License No. Date

Ray P Hill
 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: Rankin
 Permit #: _____
 Driller: Walker-Hill Environmental
 Date completed: 4/22/2008
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: R-103
 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>Mary Esper</u>	Latitude: <u>32° 11' 46"</u> Longitude: <u>89° 51' 27"</u>
Mailing Address: <u>715 Johns Shiloh Rd.</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____
<u>Brandon</u> MS 39042 City State Zip Code	<u>SW</u> ¼ <u>NE</u> ¼ Sec <u>11</u> T <u>4N</u> R <u>4E</u>
Telephone No. (734) <u>536-1332</u>	Distance Direction Nearest Town <u>10</u> Miles <u>SE</u> of <u>Brandon, MS</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</u> hp
Date Pump Installed: <u>4/22/2008</u>	Setting Depth: <u>170</u> feet
Rated Pump Capacity: <u>10</u> Gallons Per Minute	Number of Stages: <u>15</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>4/22/2008</u>	Air Line <input checked="" type="radio"/> <u>Electric Measuring Line</u> Steel Tape
Static Water Level (A): <u>95</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>141</u> Feet Below Land Surface	For flowing well, measured shut in head: <u>N/A</u> feet
Drawdown [(B) - (A)]: <u>46</u> Feet Below Land Surface	Well yielded <u>12</u> GPM with a drawdown of <u>46</u> feet after <u>4</u> hours of pumping
Test Pumping Rate: <u>12</u> Gallons Per Minute	
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.

GARY P. Hill 0-578 _____
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer 5-2-08

Form: OLWR-SWR-B **RECEIVED**

MAY 12 2008
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