

STATE WELL REPORT

Part 1

Driller's Log

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 2309
Jackson, MS 39225-2309
(601)961-5210
(601)360-0535 (fax)

For Office Use Only:

Well #: N53
Aquifer: _____
E-Log #: _____

County: Simpson
Permit #: _____
Driller: James Bradshaw
Date drilling completed: 5-15-17

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.

Well Owner Information <small>(Landowner if borehole is not for a water well)</small>	Well or Borehole Location
Owner Name: <u>Zack Mayhugh</u>	Latitude: <u>31° 46' 12" N</u> Longitude: <u>-89° 58' 19" W</u>
Mailing Address: <u>356 Hardy Williams Road</u>	Method of Lat/Long (check one): Conventional Survey _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Pinola</u> MS <u>39114</u>	USGS quad: _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
City State Zip Code	<u>NW 1/4 NW 1/4, Sec 12 T9N R20W</u>
Telephone No. <u>(601) 942-0358</u>	<u>4</u> Miles <u>N</u> of <u>New Hebron</u> (Distance) (Direction) (Nearest Town)

Well / Borehole Data
Date drilling started: <u>5-15-17</u> Date drilling completed: <u>5-15-17</u> Hole depth: <u>150'</u> Hole diameter: <u>6"</u>
Location of the source of any surface water used for drilling: <u>City Water</u>
Method of dosing and volume of Chlorine used in drilling and development: <u>N/A</u>
Logs run (circle all applicable): <input checked="" type="checkbox"/> No log run <input type="checkbox"/> Electric <input type="checkbox"/> Gamma Ray <input type="checkbox"/> Density <input type="checkbox"/> Sonic <input type="checkbox"/> Neutron Other: _____
Name of organization running log(s): <u>N/A</u>
Purpose of borehole (circle one): <input checked="" type="checkbox"/> Water Well <input type="checkbox"/> Geotechnical/Geological Investigation <input type="checkbox"/> Ground Source Heat Pump <input type="checkbox"/> Seismic Survey <input type="checkbox"/> Other (describe) _____
<i>If drilling is not related to water well construction, skip the remainder of this block</i>
Purpose of Well (circle all applicable): Home <input type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture
Other (describe): <u>Chicken house use</u>
If a flowing well, method of flow regulation: Valve <u>N/A</u> Other (describe) <u>N/A</u>
Static Water Level: <u>72'</u> feet [above or <input checked="" type="checkbox"/> below] land surface Date measured: <u>5-16-17</u> <small>(circle one)</small>
Method of measurement (circle one): Steel tape <input type="checkbox"/> <input checked="" type="checkbox"/> Electric tape <input type="checkbox"/> Air line Other (describe): _____
Well depth: <u>150</u> Well grouted to a depth of: <u>10</u> feet Type of grout (circle one): <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> Bentonite <input type="checkbox"/> Mix
Casing length: <u>120</u> feet Casing diameter: <u>4</u> inches Type of casing: <u>PVC</u>
Screen length: <u>20</u> feet Screen diameter: <u>4</u> inches Type of screen: <u>PVC</u>
Screen slot size: <u>#8</u> inches Setting depth: From <u>140</u> feet to <u>120</u> feet
Type of completion (circle all applicable): <input checked="" type="checkbox"/> Gravel packed <input type="checkbox"/> Underreamed <input type="checkbox"/> Open hole <input type="checkbox"/> Natural Development
Other (describe): <u>N/A</u>
Top of lap pipe or reduction in casing: <u>N/A</u> feet

If telescoped or more than one screen, describe on next page

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THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

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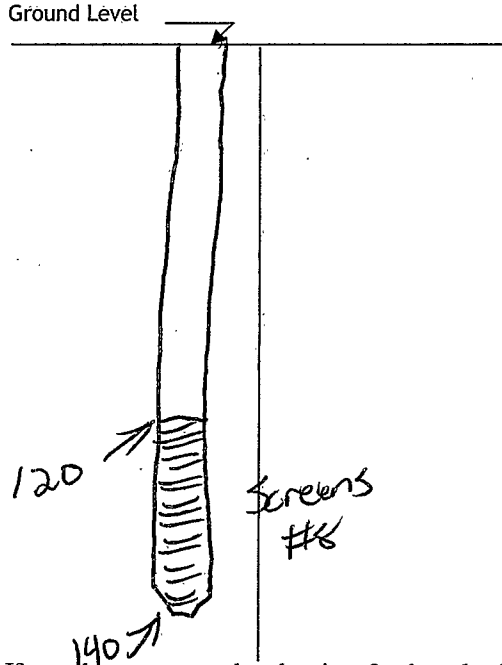
1954

County: Simpson
 Permit #: _____

For Office Use Only:
 Well #: N53

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)
Red Sand	Ground level	20'
White sand	20'	45'
Pea Gravel	45'	50'
Course white sand	50'	60'
pink clay & fine sand	60'	62'
med course sand	62'	120'
Pea Gravel	120'	130'
Coarse sand	130'	150'
Hard Rock	150'	

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) north arrow



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Landowner Name: Zack Mayhugh

I HEREBY 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.

James Broadshaw 0000-7871
 Print Name of Responsible Licensee and License No.

5-17-17
 Date

[Signature]
 Signature of Licensee

OLWR

STATE WELL REPORT

Part 2

Pump Installer's Completion Report

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 2309
Jackson, MS 39225-2309
(601)961-5210
(601) 360-0535 (fax)

For Office Use Only:

Well #: N53
Aquifer: _____

County: Simpson
Permit #: _____
Driller: James Bradshaw
Date completed: 5-17-17
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>Zack Mayhugh</u>	Latitude: <u>31°46'12" N</u> Longitude: <u>89°58'19" W</u>
Mailing Address: <u>356 Hardy Williams Rd</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Pineola</u> MS <u>39149</u>	<u>NW 1/4 NW 1/4, Sec 12 T 9N R 20W</u>
City State Zip Code	<u>4</u> Miles <u>N</u> of <u>New Hebron</u>
Telephone No. <u>(601) 942-0358</u>	(Distance) (Direction) (Nearest Town)

Pump Type (circle one)

Submersible Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): _____

Date Pump Installed: 5-17-17 Rated Pump Capacity: 60 Gallons Per Minute

Is This Pump (circle one): New Repaired Replacement

Power Type (circle one)

Electric Diesel Gasoline Natural Gas Tractor PTO Windmill Other (describe): _____

Horse Power Rating of Motor: 5 Setting Depth: 116 feet Number of Stages: 13

Pump Test Data for Non Flowing Well

Date Well Tested: 5-17-17 Duration of Pump Test (minimum 4 hours): 5 hours

Static Water Level (A): 72 Feet Below Land Surface Pumping Water Level (B): 82 Feet Below Land Surface

Drawdown [(B) - (A)]: 10 Feet Below Land Surface Test Pumping Rate: 67 Gallons Per Minute

Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): _____

Pump Test Data for Flowing Well

Measured shut in head: N/A feet.

Well yielded N/A GPM with a drawdown of N/A feet after N/A hours of pumping

Meter Installation

Meter Manufacturer: _____ Meter Serial Number: _____

Meter Model Number/Name: _____ Type of Meter: _____

Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): _____

Installation Date: _____ Meter installed by: _____

Is This Meter (circle one): New Repaired Replacement

Important: By submitting the above information you are certifying that this meter was installed to manufacturer standards. For agricultural wells, a list of approved meters is on the MDEQ website.

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

James Bradshaw 0000-7871 5-17-17 _____
Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer