

County: Tunica
 Permit #: GW-50591
 Driller: Chris Shoelley
 Date drilling completed: 6-20-19

**Part I
 Driller's Log**
 Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 2309
 Jackson, MS 39225-2309
 (601)961-5555
 (601)961-5228 (fax)

For Office Use Only:
 Well #: H 53
 Aquifer: _____
 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.

Well Owner Information (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: <u>Jason Giesbrecht</u>	Latitude: <u>34.619653</u> Longitude: <u>90.300572</u>
Mailing Address: <u>12920 Lynn Creek Rd</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Brooksville</u> City	USGS quad _____, Hand-held GPS _____, Survey-grade GPS <input checked="" type="checkbox"/>
<u>MS</u> State	<u>SW</u> $\frac{1}{4}$ <u>NW</u> $\frac{1}{4}$, Sec <u>30</u> T <u>5S</u> R <u>10W</u>
<u>39729</u> Zip Code	<u>5</u> Miles <u>SE</u> of <u>Tunica, MS</u>
Telephone No. (____) _____	(Distance) (Direction) (Nearest Town)

Well / Borehole Data

Date drilling started: 6-20-19 Date drilling completed: 6-20-19 Hole depth: 125 Hole diameter: 24

Location of the source of any surface water used for drilling: fire hydrant 1/2 mile west

Method of dosing and volume of Chlorine used in drilling and development: _____

Logs run (check all applicable): 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 all applicable): Home Industrial Public Supply Irrigation Fish Culture

Other (describe): _____

If a flowing well, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 25 feet above or below land surface Date measured: 6-21-19
 (check one)

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

Well depth: 125 Well grouted to a depth of: 10 feet Type of grout (check one) Heat Cement Bentonite Mix

Casing length: 85 feet Casing diameter: 16 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: .032 inches Setting depth: From 95 feet to 125 feet

Type of completion (check all applicable): gravel packed underreamed open hole natural development

Other (describe): _____

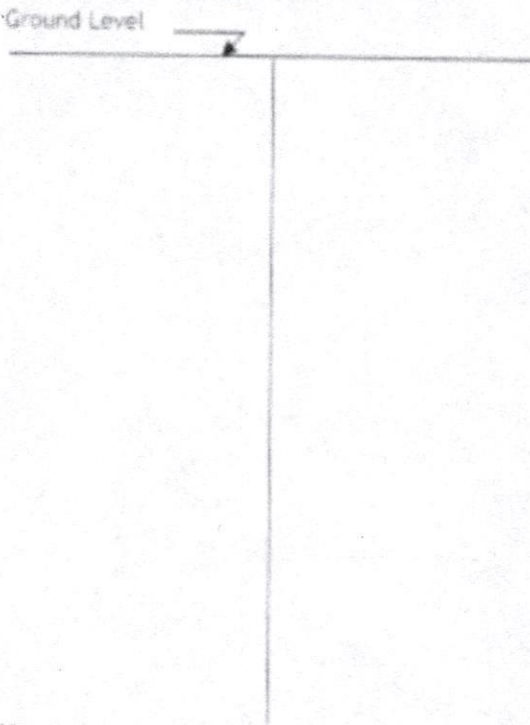
Top of lap pipe or reduction in casing: _____ feet

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

County: MS
 Permit #: G-50591

For Office Use Only:
 Well #: _____

The sketch below only required for water wells
If well telescopes, show depths on sketch.



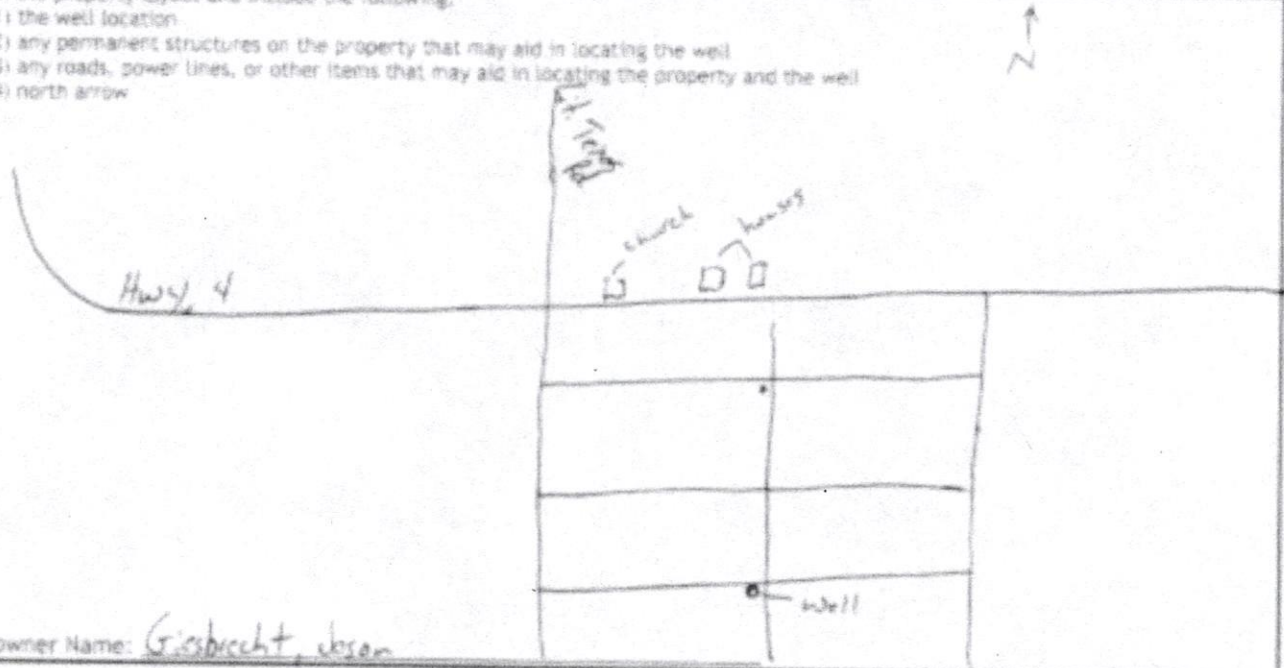
Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

Description of Formations Encountered	From (depth)	To (depth)
Clay	Ground level	35
Clay & fine sand	36	45
Clay	46	60
Coarse sand	61	65
Fine sand	65	80
Coarse sand & gravel	80	125

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) north arrow



Landowner Name: Giesbrecht, Jason

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.

Chris Shackley 2561 12-12-19 [Signature]
 Print Name of Responsible Licensee and License No. Date Signature of Licensee

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 #: H 53
 Aquifer: _____

County: Tunica
 Permit #: GW-50591
 Driller: Chris Shackley
 Date completed: 6-21-19
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	
Owner Name: <u>Jose Giesbrecht</u>	24.419653 Well Location -90.300572
Mailing Address: _____ <u>12930 Lynn Creek Rd</u> <u>Brooksville MS 39759</u> City State Zip Code	Latitude: 24.419653 Longitude: 90.300572 Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____ Hand-held GPS _____ Survey-grade GPS <input checked="" type="checkbox"/> <u>SW 1/4 NW 1/4, Sec 30 T 55 R 10W</u> <u>5</u> miles <u>SW</u> of <u>Tunica MS</u> (Distance) (Direction) (Nearest Town)
Telephone No. (____) _____	

Pump Type (check one)

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

Date Pump Installed: 6-21-19 Rated Pump Capacity: 2500 Gallons Per Minute

Is This Pump (check one): New Repaired Replacement

Power Type (check one)

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

Horse Power Rating of Motor: 75 Setting Depth: 80 feet Number of Stages: 2

Pump Test Data for Non Flowing Well

Date Well Tested: _____ Duration of Pump Test (minimum 4 hours): _____ hours

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

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

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

Pump Test Data for Flowing Well

Measured shut in head: _____ feet.

Well yielded _____ GPM with a drawdown of _____ feet after _____ 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 (check 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.

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

Chris Shackley 2861 12-12-19 [Signature]
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

STATE OF MISSISSIPPI
Department of Environmental Quality
Office of Land and Water Resources
P. O. Box 2309
Jackson, Mississippi 39225

PERMIT

TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-5-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion, withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-5-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

Permit Number: MS-GW-10591

Landowner Name: GIESBRECHT, JASON

Landowner Address: 12930 LYNX CREEK ROAD
BROOKSVILLE MS 39739

Source Of Water: MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Beneficial Use: IRRIGATION

Diversion/Withdrawal Location: 1/4 of the SW 1/4 Section: 30 Township: 05S Range: 10W

County: TUNICA

Quad: WALNUT LAKE

Maximum Volume: 318 Acre-Foot/Year equivalent to .2838 Million Gallons/Day

Maximum Rate: 2500 Gallons/Minute

Applicant Name: GIESBRECHT, JASON

Applicant Address: 12930 LYNX CREEK ROAD
BROOKSVILLE MS 39739

Date Permit Issued: 10/06/2018

Date Permit Expires: 10/06/2023

Date Permit Modified:

Date Permit Re-issued:

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date.

SPECIAL TERMS AND CONDITIONS: SEE ATTACHMENT 1, WHICH IS HEREBY DECLARED TO BE PART OF THIS PERMIT.

SPECIAL TERMS AND CONDITIONS 1:

Gary C. Rickard, Executive Director
Mississippi Department of Environmental Quality