

# 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)

County: BOLIVAR  
Permit #: GW-50637  
Driller: Jonathan Garden  
Date drilling completed: 4-2-19

145

**For Office Use Only:**  
Well #: D230  
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 <small>(Landowner if borehole is not for a water well)</small>	Well or Borehole Location
Owner Name: <u>John Carmichael</u>	Latitude: <u>33° 54' 31"</u> Longitude: <u>90° 47' 45"</u>
Mailing Address: <u>258 Kitchings Rd</u>	Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <u>K</u> , Survey-grade GPS _____
<u>Merigold</u> MS <u>38759</u> City State Zip Code	<u>SW</u> $\frac{1}{4}$ <u>SW</u> $\frac{1}{4}$ , Sec. <u>23</u> T <u>24N</u> R <u>06W</u>
Telephone No. (662) <u>588-7989</u>	<u>2.57</u> Miles <u>West</u> of <u>Winstonville</u> (Distance) (Direction) (Nearest Town)

**Well / Borehole Data**

Date drilling started: 4-2-19 Date drilling completed: 4-2-19 Hole depth: 130' Hole diameter: 26"

Location of the source of any surface water used for drilling: ditch nearby

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 (circle 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 (circle 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: 41' feet (above or below) land surface Date measured: 4-29-19  
(circle one)

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

Well depth: 115 Well grouted to a depth of: 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

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

Screen length: 30 feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: -050 inches Setting depth: From 85 feet to 115 feet

Type of completion (circle all applicable): Gravel packed Underreamed Open hole Natural Development

Other (describe): \_\_\_\_\_

Top of lap pipe or reduction in casing: N/A feet

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

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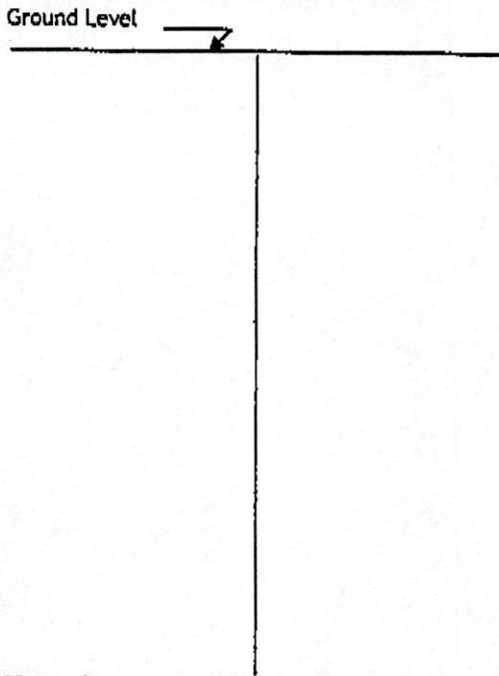


County: BOLIVAR  
Permit #: GW-50637

**For Office Use Only:**  
Well #: D230

The sketch below only required for water wells

If well telescopes, show depths on sketch.



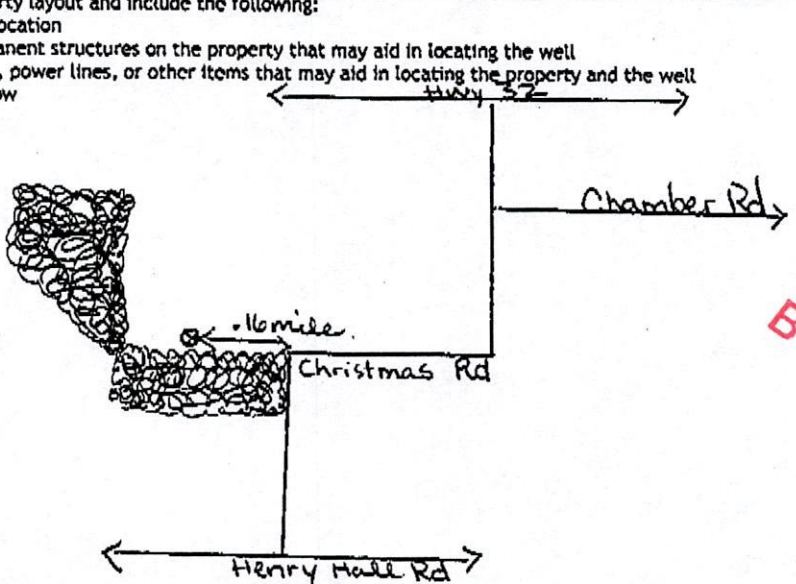
Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

Description of Formations Encountered	From (depth) Ground level	To (depth)
top Soil + Clay		15
Sand + Clay	15	25
Med / Fine Sand	25	35
Fine Sand	35	45
Med. Sand	45	55
Med. Sand	55	65
Med / Coarse Sand	65	75
Med / Coarse Sand	75	85
Med / Coarse Sand	85	95
Coarse Sand / Gravel	95	105
Coarse Sand / Gravel	105	115

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



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Landowner Name: John Carmichael

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.

Peyton Overstreet 0008026 5-1-19  
Print Name of Responsible Licensee and License No. Date

Peyton Overstreet  
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 #: D230  
 Aquifer: \_\_\_\_\_

County: BOLEVAR  
 Permit #: GW-50637  
 Driller: Tommy Fortenberry  
 Date completed: 4-29-19  
*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		Well Location	
Owner Name: <u>John Carmichael</u>		Latitude: <u>33° 54' 31"</u>	Longitude: <u>90° 47' 45"</u>
Mailing Address: <u>258 Kitchings Rd</u>		Method of Lat/Long (check one): Conventional Survey _____	
<u>Merigold</u> MS <u>38759</u>		USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____	
City State Zip Code		<u>SW</u> ¼ <u>SW</u> ¼, Sec <u>23</u> T <u>24N</u> R <u>6W</u>	
Telephone No. <u>(662) 588-7989</u>		_____ Miles _____ of _____	(Distance) (Direction) (Nearest Town)

**Pump Type (circle one)**  
 Submersible Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): \_\_\_\_\_  
 Date Pump Installed: 4-29-19 Rated Pump Capacity: \_\_\_\_\_ 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: 30 Setting Depth: 80 feet Number of Stages: 1

**Pump Test Data for Non Flowing Well**  
 Date Well Tested: NOT TESTED Duration of Pump Test (minimum 4 hours): N/A hours  
 Static Water Level (A): 41 Feet Below Land Surface Pumping Water Level (B): N/A Feet Below Land Surface  
 Drawdown [(B) - (A)]: N/A Feet Below Land Surface Test Pumping Rate: N/A 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: \_\_\_\_\_ feet.  
 Well yielded \_\_\_\_\_ GPM with a drawdown of \_\_\_\_\_ feet after \_\_\_\_\_ hours of pumping

**Meter Installation** N/A  
 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  
Peyton Overstreet 00008026 5-1-19 Peyton Overstreet  
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer



D230

**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 51-3-1, 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 or lake level elevation (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. 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-50637 Total Permitted Acreage: 40

Landowner Name: CARMICHAEL, JOHN

Landowner Address: 258 KITCHINGS ROAD  
MERIGOLD, MS 38759

Source of Water: MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER

Beneficial Use(s): IRRIGATION

Diversion/Withdrawal Location: SW 1/4 of the SW 1/4 Section: 23 Township: 24N Range: 06W

County: BOLIVAR Quad: SHELBY

Permitted Acreage: Irrigation: 40 Fish Culture: 0 Wildlife Management: 0

Maximum Volume: See Special Terms and Conditions (Attachment 1)

Applicant Name: FOGGY BOTTOM FARMS

Applicant Address: 258 KITCHINGS ROAD  
MERIGOLD, MS 38759

Date Permit Issued: 01/24/2019

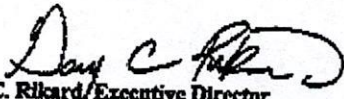
Date Permit Expires: 01/24/2024

Date Permit Modified:

Date Permit Reissued:

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

**SPECIAL TERMS AND CONDITIONS 1:**  
 See Attachment I which is hereby declared part of this permit.

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

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