

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 #: A97
Aquifer: _____
E-Log #: _____

County: Marshall
Permit #: 0162
Driller: Larry Carpenter
Date drilling completed: 5-20-18

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>Sam Kerns</u> | Latitude: <u>34° 95302</u> Longitude: <u>89° 653376</u> |
| Mailing Address: <u>1050 Farley Rd</u> | <u>34-57-11</u> <u>89-39-12</u> |
| <u>Byhalia</u> <u>MS</u> <u>38611</u> | Method of Lat/Long (check one): Conventional Survey _____ |
| City State Zip Code | USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____ |
| Telephone No. <u>(901) 277-2018</u> | <u>NE 1/4 SE 1/4, Sec 36 T 15 R 5W</u> |
| | <u>3/4</u> Miles <u>South</u> of <u>Barton</u> |
| | (Distance) (Direction) (Nearest Town) |

| Well / Borehole Data |
|--|
| Date drilling started: <u>5-20-18</u> Date drilling completed: <u>5-21-18</u> Hole depth: <u>155</u> Hole diameter: <u>8"</u> |
| Location of the source of any surface water used for drilling: <u>Well Water</u> |
| Method of dosing and volume of Chlorine used in drilling and development: <u>1/2 Pt Chlorine to 1000 gal Water</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 <input type="checkbox"/> Other: _____ |
| Name of organization running log(s): _____ |
| Purpose of borehole (circle one): <input checked="" type="checkbox"/> Water Well <input type="checkbox"/> Geotechnical/Geological Investigation <input type="checkbox"/> Ground Source Heat Pump |
| 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): <input checked="" type="checkbox"/> Home <input type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture RECEIVED |
| Other (describe): _____ JUN 25 2018 |
| If a flowing well, method of flow regulation: Valve _____ Other (describe) _____ BY OLWR |
| Static Water Level: <u>70</u> feet [above or <input checked="" type="checkbox"/> below] land surface Date measured: <u>5-21-18</u> |
| Method of measurement (circle one): <input checked="" type="checkbox"/> Steel tape <input type="checkbox"/> Electric tape <input type="checkbox"/> Air line <input type="checkbox"/> Other (describe) _____ |
| Well depth: <u>155</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>140</u> feet Casing diameter: <u>4</u> inches Type of casing: <u>PVC</u> |
| Screen length: <u>15</u> feet Screen diameter: <u>4</u> inches Type of screen: <u>PVC</u> |
| Screen slot size: <u>.013</u> inches Setting depth: From <u>140</u> feet to <u>155</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): _____ |
| Top of lap pipe or reduction in casing: _____ feet |
| <i>If telescoped or more than one screen, describe on next page</i> |

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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 2309
 Jackson, MS 39225-2309
 (601)961-5210
 (601) 360-0535 (fax)

For Office Use Only:

Well #: A97

Aquifer: _____

County: Marshall
 Permit #: 0-162
 Driller: Larry Carpenter
 Date completed: 5-21-18
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.

| | |
|---|---|
| <p style="text-align: center;">Well Owner Information</p> <p>Owner Name: <u>Sam Kerns</u> Mailing Address: <u>1050 Farley Rd</u> <u>Byhalia</u> <u>MS</u> <u>38611</u> City State Zip Code Telephone No. <u>(901) 277-2018</u></p> | <p style="text-align: center;">Well Location <u>89-39-12</u></p> <p>Latitude: <u>34° 95302</u> Longitude: <u>89° 653376</u> Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/>, Survey-grade GPS _____ <u>NE</u> ¼ <u>SE</u> ¼, Sec <u>36</u> T <u>15</u> R <u>5W</u> <u>3/4</u> Miles <u>South</u> of <u>Barton</u> (Distance) (Direction) (Nearest Town)</p> |
|---|---|

Pump Type (circle one)

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

Date Pump Installed: 5-21-18 Rated Pump Capacity: 25 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: 1 1/2 Setting Depth: 100 feet Number of Stages: 12

Pump Test Data for Non Flowing Well

Date Well Tested: 5-21-18 Duration of Pump Test (minimum 4 hours): 4 hours

Static Water Level (A): 70 Feet Below Land Surface Pumping Water Level (B): 80 Feet Below Land Surface

Drawdown [(B) - (A)]: 10 Feet Below Land Surface Test Pumping Rate: 25 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

Meter Manufacturer: _____ Meter Serial Number: RECEIVED

Meter Model Number/Name: _____ Type of Meter: JUN 25 2018

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

Installation Date: _____ Meter installed by: BY OLWR

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.

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

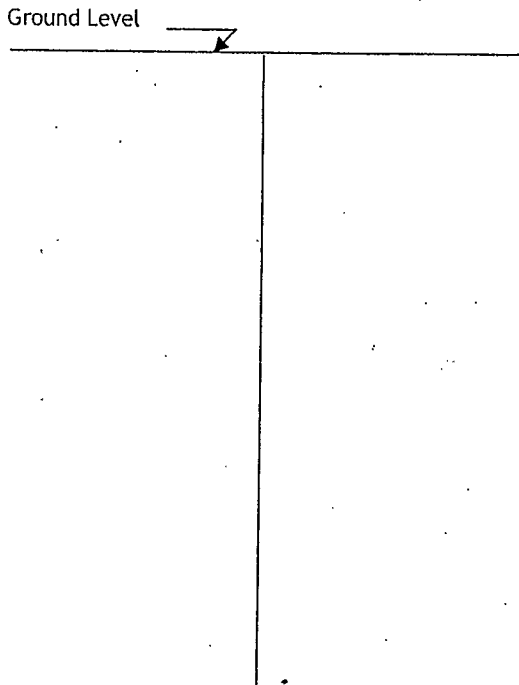
Larry Carpenter #0162 6-19-18 Larry Carpenter
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

County: Marshall
 Permit #: 0-162

For Office Use Only:
 Well #: A97

The sketch below only required for water wells

If well telescopes, show depths on sketch.



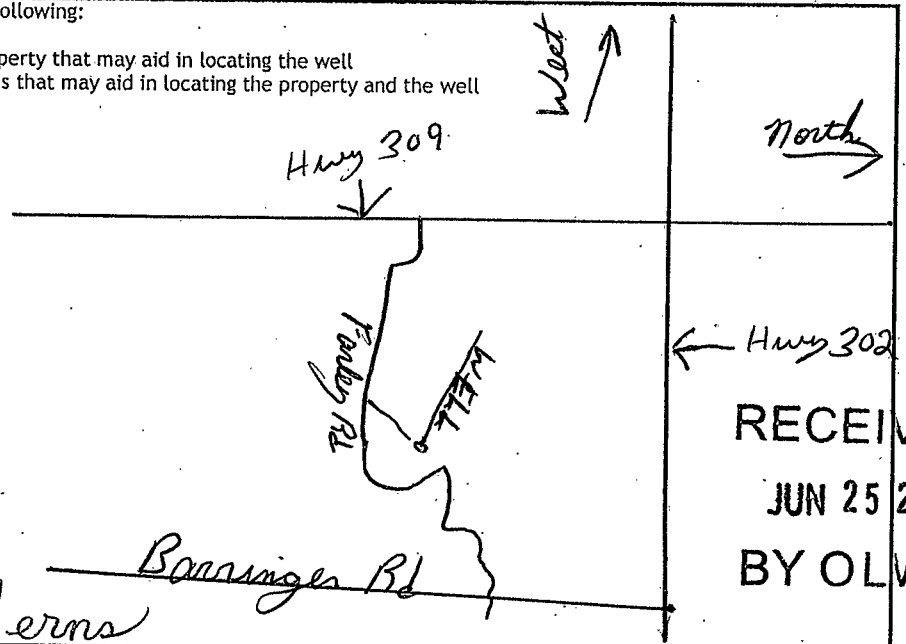
Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

| Description of Formations Encountered | From (depth) Ground level | To (depth) |
|---------------------------------------|------------------------------|------------|
| <u>Surface Soil</u> | <u>0</u> | <u>15</u> |
| <u>Med Red Sand</u> | <u>15</u> | <u>35</u> |
| <u>White Clay</u> | <u>35</u> | <u>50</u> |
| <u>White fine Sand</u> | <u>50</u> | <u>80</u> |
| <u>Med White Sand</u> | <u>80</u> | <u>120</u> |
| <u>White Coarse Sand</u> | <u>120</u> | <u>155</u> |
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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: Sam Kerns

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.

Larry Carpenter #0162 6-19-18 Larry Carpenter
 Print Name of Responsible Licensee and License No. Date Signature of Licensee