

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 #: B0173
Aquifer: _____
E-Log #: _____

County: Forrest
Permit #: MS-GW-17240
Driller: Griner Drilling
Date drilling completed: 5/13/16

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>City of Hattiesburg</u>	Latitude: <u>N31°21' 11.30"</u> Longitude: <u>W089°19' 52.33"</u>
Mailing Address: <u>200 Forrest Street</u>	<u>31.353139</u> <u>89.331203</u>
<u>Hattiesburg</u> <u>MS</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>NE</u> <u>1/4</u> <u>SE</u> <u>1/4</u> , Sec <u>31</u> T <u>5N</u> R <u>13W</u>
	<u>1</u> Miles <u>NW</u> of <u>Hattiesburg</u>
	(Distance) (Direction) (Nearest Town)

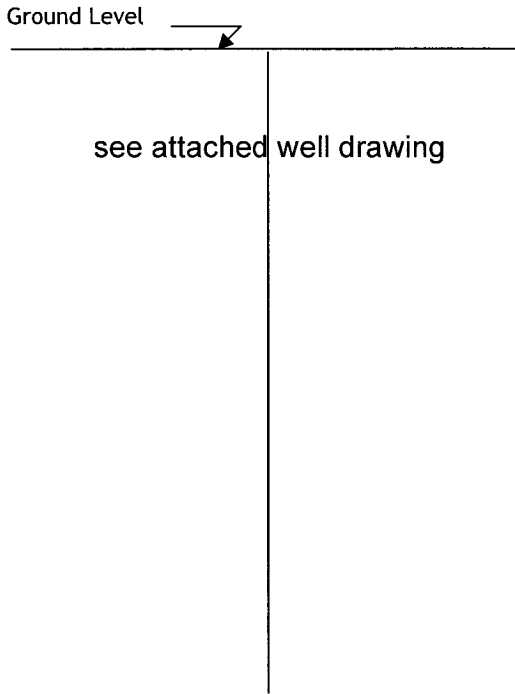
Well / Borehole Data
Date drilling started: <u>4/20/16</u> Date drilling completed: <u>5/13/16</u> Hole depth: <u>640'</u> Hole diameter: <u>21.5"</u>
Location of the source of any surface water used for drilling: <u>Public Water Supply</u>
Method of dosing and volume of Chlorine used in drilling and development: _____
Logs run (circle all applicable): No log run <input type="checkbox"/> <u>Electric</u> <input checked="" type="checkbox"/> <u>Gamma Ray</u> <input type="checkbox"/> Density <input type="checkbox"/> Sonic <input type="checkbox"/> Neutron <input type="checkbox"/> Other: _____
Name of organization running log(s): <u>Griner Drilling Service, Inc.</u>
Purpose of borehole (circle one): <input 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"/> <u>Public Supply</u> <input type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture
Other (describe): _____
If a flowing well, method of flow regulation: Valve _____ Other (describe) _____
Static Water Level: <u>76.76</u> feet [above or below] land surface Date measured: <u>6-7-16</u>
Method of measurement (circle one): <input type="checkbox"/> Steel tape <input checked="" type="checkbox"/> <u>Electric tape</u> <input type="checkbox"/> Air line Other (describe): _____
Well depth: <u>640'</u> Well grouted to a depth of: <u>542'</u> feet Type of grout (circle one): Neat Cement <input type="checkbox"/> Bentonite <input type="checkbox"/> Mix
Casing length: <u>542</u> feet Casing diameter: <u>16</u> inches Type of casing: <u>Welded</u>
Screen length: <u>80</u> feet Screen diameter: <u>12 3/4</u> inches Type of screen: <u>Muni-Pak</u>
Screen slot size: <u>.020</u> inches Setting depth: From <u>552'</u> feet to <u>632'</u> feet
Type of completion (circle all applicable): <u>Gravel packed</u> <input type="checkbox"/> Underreamed <input type="checkbox"/> Open hole <input type="checkbox"/> Natural Development
Other (describe): _____
Top of lap pipe or reduction in casing: <u>470'</u> feet
<i>If telescoped or more than one screen, describe on next page</i>

County: Forrest
Permit #: MS-GW-17240

For Office Use Only:
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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)
Gravel	Ground level	40
Gravel & Sand Streaks	40	60'
Clay	60'	190'
Sand	190'	288'
Streaked	288'	320'
Sand	320'	388'
Streaked	388'	396'
Sand	396'	424'
Streaked	424'	432'
Sand	432'	444'
Streaked	444'	456'
Sand	456'	474'
Fine Sand	474'	502'
Sand	502'	512'
Streaked Sand & Clay	512'	550'
Sand	550'	630'
Streaked	630'	690'
Sand	690'	720'
Clay	720'	792'
	792'	

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

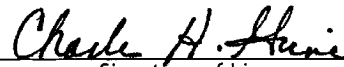
see attached photo

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Landowner Name: _____

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.

Charles H. Griner 0-184 12/7/16
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)

County: Forrest
 Permit #: MS-GW-17240
 Driller: Griner Drilling
 Date completed: 12/8/2016
Copy information from block on Part 1

For Office Use Only:

Well #: B0173
 Aquifer: _____

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>City of Hattiesburg</u>	Latitude: <u>N31°21' 11.30"</u> Longitude: <u>W089°19' 52.33"</u>
Mailing Address: <u>200 Forrest Street</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Hattiesburg</u> <u>MS</u>	_____ ¼ _____ ¼, Sec <u>31</u> T <u>5N</u> R <u>13W</u>
City State Zip Code	<u>1</u> Miles <u>NW</u> of <u>Hattiesburg</u>
Telephone No. (____) _____	(Distance) (Direction) (Nearest Town)

Pump Type (circle one)

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

Date Pump Installed: 7-25-16 Rated Pump Capacity: 1500 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: 125 Setting Depth: 220' feet Number of Stages: 3

Pump Test Data for Non Flowing Well

Date Well Tested: 10/13/16 Duration of Pump Test (minimum 4 hours): 5 hours

Static Water Level (A): 58 Feet Below Land Surface Pumping Water Level (B): 136 Feet Below Land Surface

Drawdown [(B) - (A)]: 78 Feet Below Land Surface Test Pumping Rate: 1845 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: ABB Water Master Meter Serial Number: _____

Meter Model Number/Name: FEW325300H1S4131A1A3P3B3AIM Type of Meter: Digital

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

Installation Date: _____ Meter installed by: TL Wallace

Is This Meter (circle one): New Repaired Replacement

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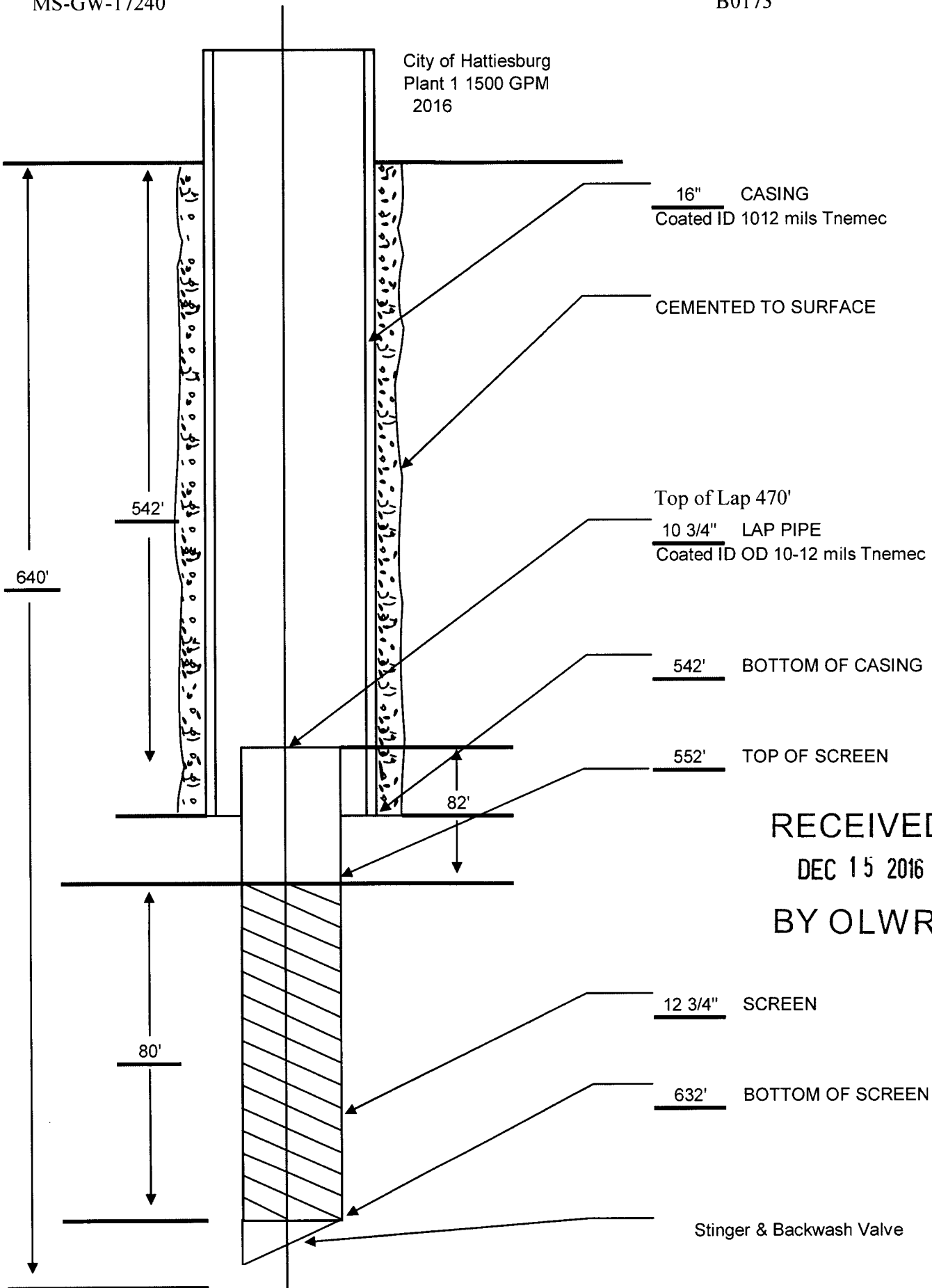
Important: By submitting the above information you are certifying that this meter was installed to manufacturer standards. For agricultural wells, a list of approved meters is on the MDEQ website.

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

Charles H. Griner 0-184 12/7/16 Charles H. Griner

Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

City of Hattiesburg
Plant 1 1500 GPM
2016



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