

112

County: Sunflower  
 Permit #: GW-51146  
 Driller: Irrigation Equipment, Inc.  
 Date drilling completed: 5-4-20

# 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 #: T 194  
 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 <i>(Landowner if borehole is not for a water well)</i>			Well or Borehole Location	
Owner Name: <u>MacNealy Investments</u>			Latitude: <u>33° 16' 20.8"N</u>	Longitude: <u>90° 36' 24.6"W</u>
Mailing Address: <u>164 Gene Lester Road</u>			Method of Lat/Long (check one): <input type="checkbox"/> Conventional Survey,	
			<input type="checkbox"/> USGS quad, <input checked="" type="checkbox"/> Hand-held GPS, <input type="checkbox"/> Survey-grade GPS	
<u>Isola</u>	<u>MS</u>	<u>38745</u>	<u>SW ¼ SW ¼, Sec 34 T 17N R 4W</u>	
City	State	Zip code		
Telephone No. ( ) -			<u>      </u> Miles <u>North</u> of <u>Isola</u>	
			<i>(Distance)</i> <i>(Direction)</i> <i>(Nearest Town)</i>	

**Well / Borehole Data**

Date drilling started: 5-4-20 Date drilling completed: 5-4-20 Hole depth: 126' Hole diameter: 18"

Location of the source of any surface water used for drilling: Surface Water

Method of dosing and volume of Chlorine used in drilling and development: 50 PPM

Logs run (check all applicable):  No 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: 34 feet [ above or  below] land surface Date measured: 5-5-20  
*(check one)*

Method of Measurement (check one)  Steel tape  Electric tape  Air line  Other: (describe) \_\_\_\_\_

Well depth: 126' Well grouted to a depth of: 10 feet Type of grout (check one):  Neat Cement  Bentonite  Mix

Casing length: 86 feet Casing diameter: 10 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 10 inches Type of screen: PVC

Screen slot size: .050 inches Setting depth: From 87 feet to 126 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*

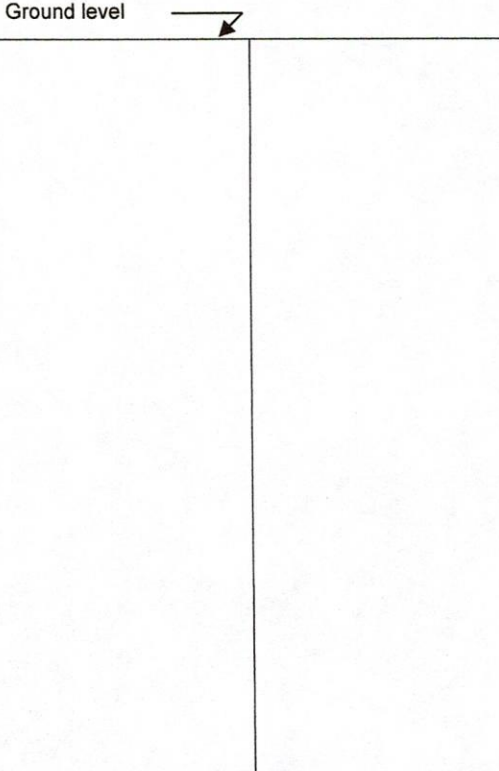
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 MAY 12 2020  
 BY OLWR

Form: OLWR-SWR-1A (4/13)

County: Sunflower  
 Permit #: GW-51146

**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)
<b>Clay</b>	Ground level	<b>42</b>
<b>Fine Sand</b>	<b>43</b>	<b>49</b>
<b>Fine Sand &amp; Gravel</b>	<b>50</b>	<b>55</b>
<b>Med. Sand &amp; Gravel</b>	<b>56</b>	<b>126</b>

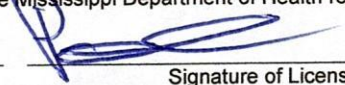
If more than one screen, show location of each on sketch

- 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) a north arrow

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 MAY 12 2020  
 BY OLWR

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.

**0695**      **5-7-20**        
 Print Name of Responsible Licensee and License No.      Date      Signature of Licensee

Form: OLWR-SWR-1A (4/13)



County: Sunflower  
 Permit #: GW-51146  
 Driller: Irrigation Equipment, Inc.  
 Date drilling completed: 5-4-20  
*Copy information from block on Part 1*

**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 #: T 194  
 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>MacNealy Investments</u>			Latitude: <u>33° 16' 20.8"N</u> Longitude: <u>90° 36' 24.6"W</u>		
Mailing Address: <u>164 Gene Lester Road</u>			Method of Lat/Long (check one): <input type="checkbox"/> Conventional Survey,		
			<input type="checkbox"/> USGS quad, <input checked="" type="checkbox"/> Hand-held GPS, <input type="checkbox"/> Survey-grade GPS		
<u>Isola</u>	<u>MS</u>	<u>38754</u>	<u>SW ¼ SW ¼, Sec 34 T 17N R 4W</u>		
City	State	Zip code			
Telephone No. ( ) -			Miles	North	of Isola
			(Distance)	(Direction)	(Nearest Town)

**Pump Type (check one)**

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

Date Pump Installed 5-5-20 Rated Pump Capacity: 500 +/- 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: 15 Setting Depth: 70 feet Number of Stages: 1

**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: \_\_\_\_\_

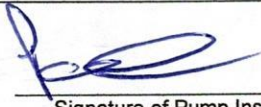
Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): \_\_\_\_\_

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.

0695 5-7-20 

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

Form: OLWR-SWR-1B (4/13)





Don R. Christy, PhD  
Executive Director  
P. O. Box 129  
Stoneville, MS 38776  
Tel.: (662) 686-7712  
Fax: (662) 686-9078  
www.ymd.org

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## Yazoo Mississippi Delta Joint Water Management District

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April 7, 2020

MacNealy Investments  
164 Gene Lester Road  
Isola, MS 38754

RE: Receipt for Notification of Construction of Replacement Well **MS-GW-51146**  
which will be replacing GW-14546 located at  
Location: SE1/4 of the NE1/4 Section 33 Township 17N Range 04W County Sunflower  
Latitude: 33.2721 Longitude -90.6072

Dear MacNealy Investments:

This letter acknowledges your notification to the state that you intend to replace a previously permitted well in the Mississippi River Valley Alluvial Aquifer and that this replacement construction will meet the requirements for a groundwater replacement well specified in 11 Miss. Admin. Code Part 7, Chapter 1, Rule 1.4.F.1 (**see attached/back of page**). Construction may begin immediately on your replacement well.

Remember that you are still required to submit a permit application (enclosed) for the replacement well within 5 days of construction beginning. You are also required to properly decommission (plug and abandon) the replaced well within 180 days of the replacement well's construction.

A copy of this letter, or a water use permit for the replacement well, **must** be attached to the State Well Report submitted by your driller to MDEQ and they must also submit a copy to YMD, as specified in the Water Well Contractor regulations found in 11 Miss. Admin. Code Part 7, Chapter 2, Rule 2.9.

If you have any questions, please call YMD at 662-686-7712.

Sincerely,

Dillard Melton, Jr  
Permitting Director

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Don R. Christy, PhD  
Executive Director  
P. O. Box 129  
Stoneville, MS 38776  
Tel.: (662) 686-7712  
Fax: (662) 686-9078  
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## Yazoo Mississippi Delta Joint Water Management District

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### Replacement well requirements

*11 Miss. Admin. Code Part 7, Chapter 1, Rule 1.4.F.1.*

F. Replacement Wells - A replacement well may be drilled to replace a properly authorized well that has become unusable.

(1) Qualifications - To qualify as a replacement well for any use other than irrigation, aquaculture, or wildlife enhancement the new well must meet all of the requirements set forth in paragraphs a. through d. below. Any proposed well not meeting these requirements will be treated as a new well, and the required application will be processed accordingly. Replacement wells for irrigation, aquaculture, or wildlife enhancement need only meet the requirements set forth in 24 paragraphs (a) through (c) below provided the water will be applied to the same field or pond served by the original well.

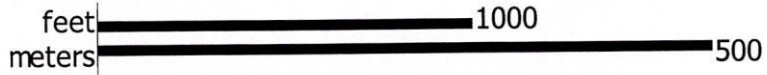
- (a) Will replace a well that will be properly plugged and abandoned within 180 days of completion of the replacement well, unless used by MDEQ for data collection in accordance with paragraph 3 below; and
- (b) Will withdraw water from the same water-bearing formation as the old well; and
- (c) Will supply water for the same beneficial use as the old well

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