

County: Washington
 Permit #: GW-50612
 Driller: Irrigation Equipment, Inc.
 Date drilling completed: 8-28-2018

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 #: N 171
 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>Yazoo NWR</u> | | | Latitude: <u>33° 07' 23.6"N</u> Longitude: <u>91° 00' 34.0"W</u> | | |
| Mailing Address: <u>595 Yazoo Refuge 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>Hollandale</u> | <u>MS</u> | <u>38748</u> | <u>NW ¼ NE ¼, Sec 27 T 15N R 8W</u> | | |
| City | State | Zip code | | | |
| Telephone No. <u>(662) 839-2638</u> | | | Miles <u>SW</u> of <u>Hollandale</u> | | |
| | | | (Distance) (Direction) (Nearest Town) | | |

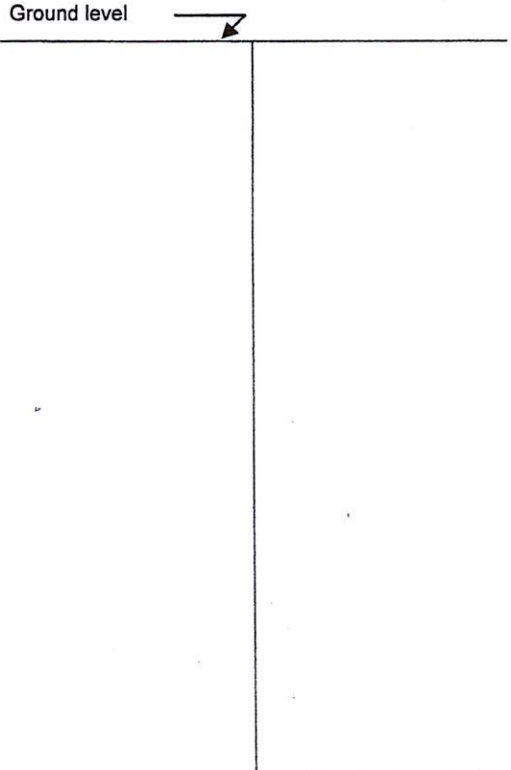
| Well / Borehole Data | |
|---|--|
| Date drilling started: <u>8-28-2018</u> | Date drilling completed: <u>8-28-2018</u> Hole depth: <u>104'</u> Hole diameter: <u>24"</u> |
| Location of the source of any surface water used for drilling: <u>Surface Water</u> | |
| Method of dosing and volume of Chlorine used in drilling and development: <u>50 PPM</u> | |
| Logs run (check 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 (check one): <input checked="" 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 (check all applicable): <input type="checkbox"/> Home <input type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture | |
| <input checked="" type="checkbox"/> Other (describe): <u>Wildlife Management</u> | |
| If a flowing well, method of flow regulation: Valve _____ Other (describe) _____ | |
| Static Water Level: <u>20</u> feet [<input type="checkbox"/> above or <input checked="" type="checkbox"/> below] land surface | Date measured: <u>8-29-2018</u> |
| (check one) | |
| Method of Measurement (check 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>104'</u> Well grouted to a depth of: <u>10</u> feet | Type of grout (check one): <input type="checkbox"/> Neat Cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Mix |
| Casing length: <u>68</u> feet | Casing diameter: <u>16</u> inches Type of casing: <u>PVC</u> |
| Screen length: <u>36</u> feet | Screen diameter: <u>16</u> inches Type of screen: <u>PVC</u> |
| Screen slot size: <u>.050</u> inches | Setting depth: From <u>69</u> feet to <u>104</u> feet |
| Type of completion (check all applicable): <input checked="" type="checkbox"/> Gravel packed <input type="checkbox"/> Underreamed <input type="checkbox"/> Open hole <input type="checkbox"/> Natural Development | |
| <input type="checkbox"/> Other (describe): _____ | |
| Top of lap pipe or reduction in casing: _____ Feet | |
| <i>If telescoped or more than one screen, describe on next page</i> | |

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

County: Washington
 Permit #: GW-50612

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 | 32 |
| Fine Sand | 33 | 36 |
| Fine Sand & Gravel | 37 | 67 |
| Med. Sand & Gravel | 68 | 96 |
| Clay | 97 | 104 |
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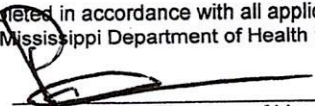
If more than one screen, show location of each on sketch

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) a north arrow

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 11-2-2018 

Print Name of Responsible Licensee and License No. Date Signature of Licensee

County: Washington
 Permit #: GW-50612
 Driller: Irrigation Equipment, Inc.
 Date drilling completed: 8-28-2018
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 #: N171
 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>Yazoo NWR</u> | Latitude: <u>33° 07' 23.6"N</u> Longitude: <u>91° 00' 34.0"W</u> |
| Mailing Address: <u>595 Yazoo Refuge 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>Hollandale</u> <u>MS</u> <u>38748</u> City State Zip code | <u>NW ¼ NE ¼, Sec 27 T 15N R 8W</u> |
| Telephone No. <u>(662) 839-2638</u> | <u>SW</u> of <u>Hollandale</u> (Distance) (Direction) (Nearest Town) |

Pump Type (check one)

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

Date Pump Installed 8-29-2018 Rated Pump Capacity: 2200-2600 +/- 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: 60 Setting Depth: 80 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

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

11-2-2018

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

Yazoo Mississippi Delta Joint Water Management District

November 30, 2018

Theodore Roosevelt NWR Complex
(Yazoo National Wildlife Refuge)
12595 MS Hwy 149
Yazoo City, MS 39194

RE: Receipt for Notification of Construction of Replacement Well **MS-GW-50612**
which will be replacing GW-00550 well located at
Location: NW1/4 of the NE ¼ Section 27 Township 15N Range 08W County Washington
Latitude: 33 07 25 Longitude 91 00 29

Dear Theodore Roosevelt NWR Complex (Yazoo National Wildlife Refuge),

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.

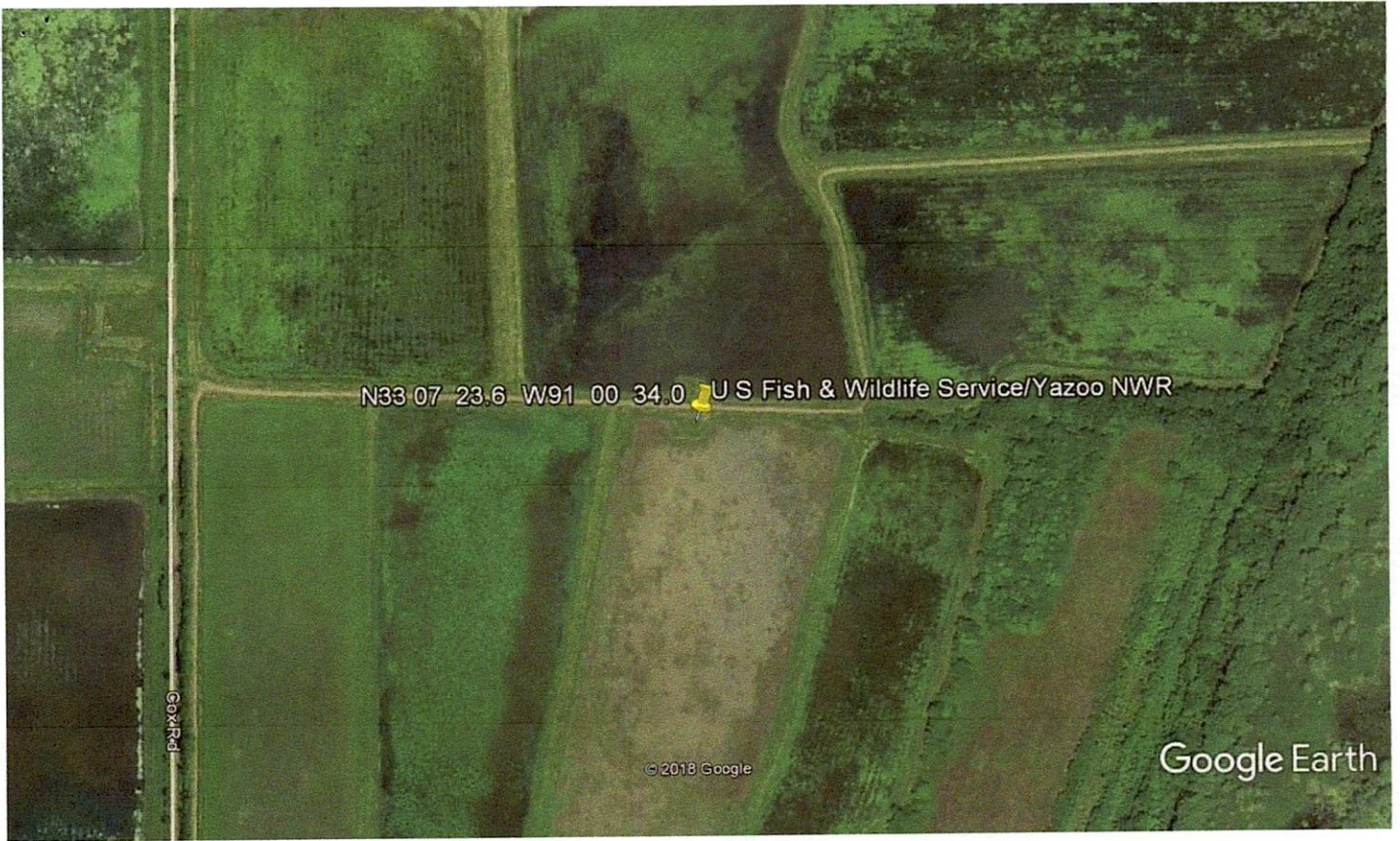
Remember that you are still required to submit a permit application (enclosed) for the replacement well within 5 days of construction beginning. You are also required to properly decommission (plug and abandon) the replaced well within 180 days of the replacement well's construction.

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



Google Earth

