

County: Washington
 Permit #: GW-50611
 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 #: N169
 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' 27.7"N</u> Longitude: <u>91° 00' 51.8"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 1/4 NW 1/4, Sec 27 T 15N R 8W</u> ✓
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: 8-28-2018 Date drilling completed: 8-28-2018 Hole depth: 106' Hole diameter: 24"

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): Wildlife Management

If a flowing well, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 21 feet [above or below] land surface Date measured: 8-29-2018
(check one)

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

Well depth: 106 Well grouted to a depth of: 10 feet Type of grout (check one): Neat Cement Bentonite Mix

Casing length: 66 feet Casing diameter: 16 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: .050 inches Setting depth: From 67 feet to 106 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

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

RECEIVED
 DEC 20 2018
 BY OLWR


OLW

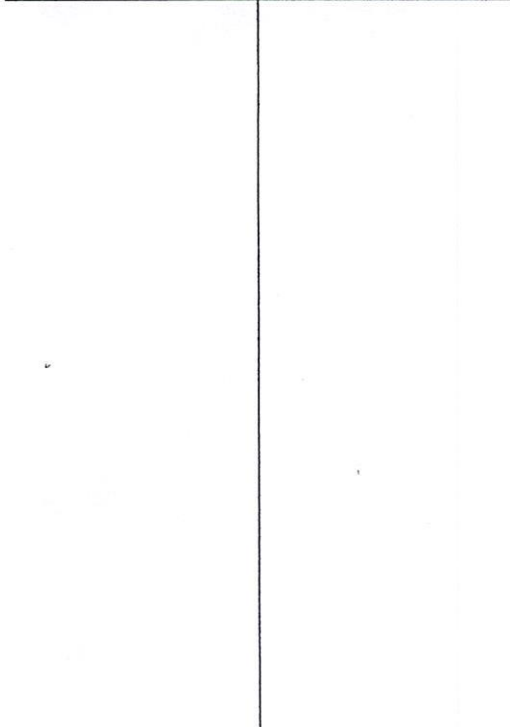
County: Washington
 Permit #: GW-50611

For Office Use Only:
 Well #: N169

The sketch below only required for water wells

If well telescopes, show depths on sketch.

Ground level 



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	43
Fine Sand	44	55
Fine Sand & Gravel	56	62
Med. Sand & Gravel	63	104
Clay	105	106

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

RECEIVED
DEC 20 2018
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 _____ **11-2-2018** _____
 Print Name of Responsible Licensee and License No. Date Signature of Licensee

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

OLWR

County: Washington
 Permit #: GW-50611
 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 #: N169
 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' 27.7"N</u> Longitude: <u>91° 00' 51.8"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> MS <u>38748</u> City State Zip code	<u>NW ¼ NW ¼, Sec 27 T 15N R 8W</u>
Telephone No. <u>(662) 839-2638</u>	_____ Miles <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: 1600-1800 +/- 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: 50 Setting Depth: 80 feet Number of Stages: 2

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

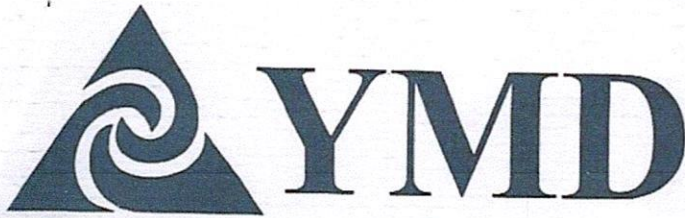
Important: By submitting the above information you are certifying that this meter was installed to manufacturer standards. For agricultural wells, a list of approved meters is on the MDEQ website.

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

0695 11-2-2018
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

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

RECEIVED
DEC 20 2018
BY OLWR



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

N169

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-50611**
which will be replacing GW-00549 well located at
Location: NW1/4 of the NW ¼ Section 27 Township 15N Range 08W County Washington
Latitude: 33 07 28 Longitude 91 00 59

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.

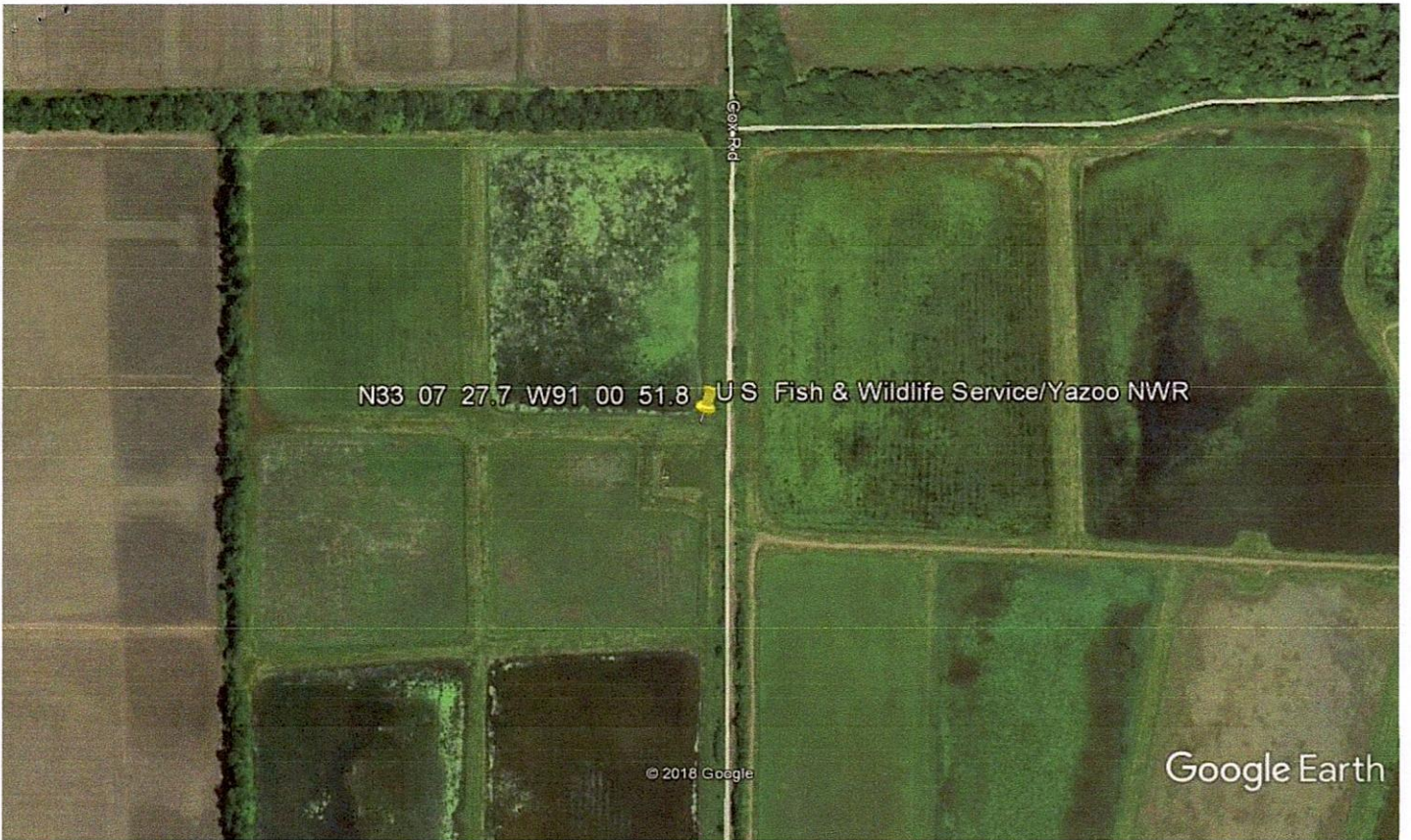
If you have any questions, please call YMD at 662-686-7712.

Sincerely,

Dillard Melton, Jr
Permitting Director

RECEIVED
DEC 20 2018
BY OLWR

N169



Google Earth



RECEIVED
DEC 20 2018
BY OLWR