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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)

County: Humphreys
 Permit #: GW-51043
 Driller: CHAD MATTOX
 Date drilling completed: 7/24/20

For Office Use Only:
 Well #: 5173
 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) Owner Name: <u>Theodore Roosevelt NWR</u> Mailing Address: <u>12595 MS Hwy 149</u> <u>Yazoo City</u> MS 39194 City State Zip Code Telephone No. (____) _____			Well or Borehole Location Latitude: <u>33 0 34N</u> Longitude: <u>90 24 41.46W</u> Method of Lat/Long (check one): Conventional Survey <input type="radio"/> , USGS quad <input type="radio"/> , Hand-held GPS <input type="radio"/> , Survey-grade GPS <input type="radio"/> <u>SW</u> $\frac{1}{4}$ <u>SW</u> $\frac{1}{4}$, Sec <u>33</u> T <u>14N</u> R <u>02W</u> <u>5</u> Miles <u>NE</u> of <u>Carter</u> (Distance) (Direction) (Nearest Town)		
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Well / Borehole Data

Date drilling started: 7/24/20 Date drilling completed: 7/24/20 Hole depth: 112 Hole diameter: 24

Location of the source of any surface water used for drilling: _____

Method of dosing and volume of Chlorine used in drilling and development: _____

Logs run (check all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____

Name of organization running log(s): _____

Purpose of borehole (circle 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: 15 feet above/ below land surface Date measured: 7/25/20
 (select one)

Method of measurement (select one): Steel tape Electric tape Air line Other (describe): _____

Well depth: 112 Well grouted to a depth of: 10 feet Type of grout (select one): Neat Cement Bentonite Mix

Casing length: 72 feet Casing diameter: 16 inches Type of casing: PVC

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

Screen slot size: .032 inches Setting depth: From 112 feet to 72 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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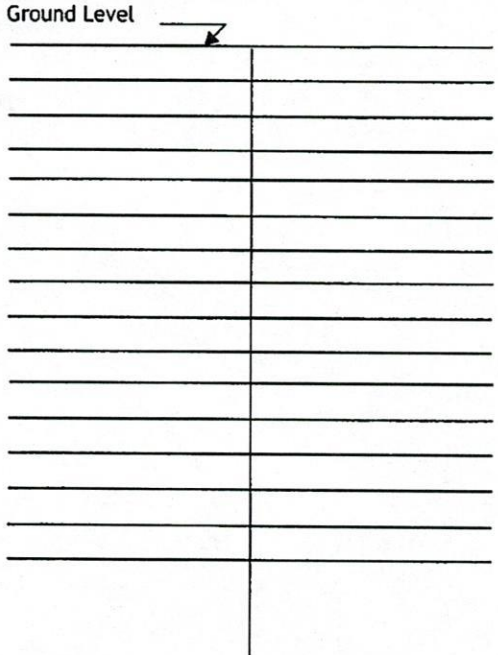
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The sketch below only required for water wells

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)
	10	20
Clay/Sand	20	30
Sand	30	40
Sand/Pea Gravel	40	50
Gravel	50	60
Gravel	60	70
Gravel	70	80
Gravel	80	90
Gravel	90	100
Gravel	100	110
Gravel/Rock	110	112

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

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.

CHAD MATTOX UNR 8243
 Print Name of Responsible Licensee and License No. Date Signature of Licensee

STATE OF MISSISSIPPI



Department of Environmental Quality
Office of Land and Water Resources

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CERTIFICATE OF PERMIT COVERAGE

*Under Mississippi's GROUNDWATER WITHDRAWAL GENERAL PERMIT
TO WITHDRAW groundwater from the Mississippi River Valley Alluvial Aquifer
FOR the beneficial use of Irrigation, Aquaculture, or Enhancement of Wildlife Habitat*

General Permit: MRVA-002
Certificate Number: MS-GW-51043

Total Permitted Acreage: 80

Landowner Name: THEODORE ROOSEVELT NWR COMPLEX
Landowner Address: 12595 MS HIGHWAY 149
YAZOO CITY, MS 39194

Source of Water: MISSISSIPPI RIVER VALLEY ALLUVIAL AQUIFER
Beneficial Use(s): IRRIGATION, WILDLIFE MANAGEMENT

Diversion/Withdrawal Location: SW 1/4 of the SW 1/4 Section: 33 Township: 14N Range: 02W

County: HUMPHREYS Quadrangle: SILVER CITY

Permitted Acreage: Irrigation: 80 Fish Culture: 0 Wildlife Management: 80

Maximum Volume: See Special Terms And Conditions (attachment I)

Applicant Name: HAYNES, SCOTT
Applicant Address: 3930 WOLF LAKE ROAD
YAZOO CITY, MS 39194

Date Original Permit Issued: 01/06/2020

Date Coverage Expires: 04/23/2024

Date Coverage Modified:

Date Coverage Granted:

SPECIAL TERMS AND CONDITIONS 1:

See Attachment I which is hereby declared part of this permit.

SPECIAL TERMS AND CONDITIONS 2:

REPLACEMENT WELL FOR MS-GW-36751.

33 0 34 N
90 24 41.46 W

Day C [Signature]

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