

STATE WELL REPORT

Part I

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 #: E24
Aquifer: _____
E-Log #: _____

County: Holmes
Permit #: MS-GW-17283
Driller: Donald Smith Co., Inc
Date drilling completed: 12/19/18

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>Lebanon Water Assoc</u>	Latitude: <u>33 14 34.9 N</u> Longitude: <u>89 53 54.5 W</u>
Mailing Address: <u>P.O. Box 610</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Lexington</u> <u>MS</u> <u>39095</u>	_____ 1/4 _____ 1/4, Sec <u>8</u> T <u>16 N</u> R <u>4 E</u>
City State Zip Code	<u>8.5</u> Miles <u>W</u> of <u>West, MS</u>
Telephone No. (____) _____	(Distance) (Direction) (Nearest Town)

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Well / Borehole Data

Date drilling started: 10/17/18 Date drilling completed: 12/19/18 Hole depth: 1117' Hole diameter: 17 3/4"

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

Method of dosing and volume of Chlorine used in drilling and development: Public Water Supply

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

Name of organization running log(s): MS office of Geology

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 (circle 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: 285.48 feet [above or below] land surface Date measured: 12/17/18
(circle one)

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

Well depth: 978' Well grouted to a depth of: 914 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 914 feet Casing diameter: 12 inches Type of casing: Carbon Steel

Screen length: 60 feet Screen diameter: 8 inches Type of screen: SS Ribbed

Screen slot size: .030 inches Setting depth: From 918 feet to 978 feet

Type of completion (circle all applicable): Gravel packed Underreamed Open hole Natural Development

Other (describe): _____

Top of lap pipe or reduction in casing: 863 feet

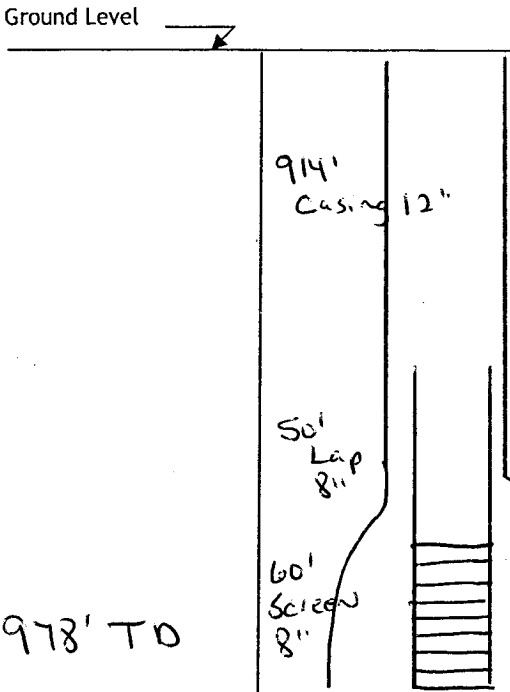
If telescoped or more than one screen, describe on next page

County: Holmes
 Permit #: MS-GW-17283

For Office Use Only:
 Well #: E24

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



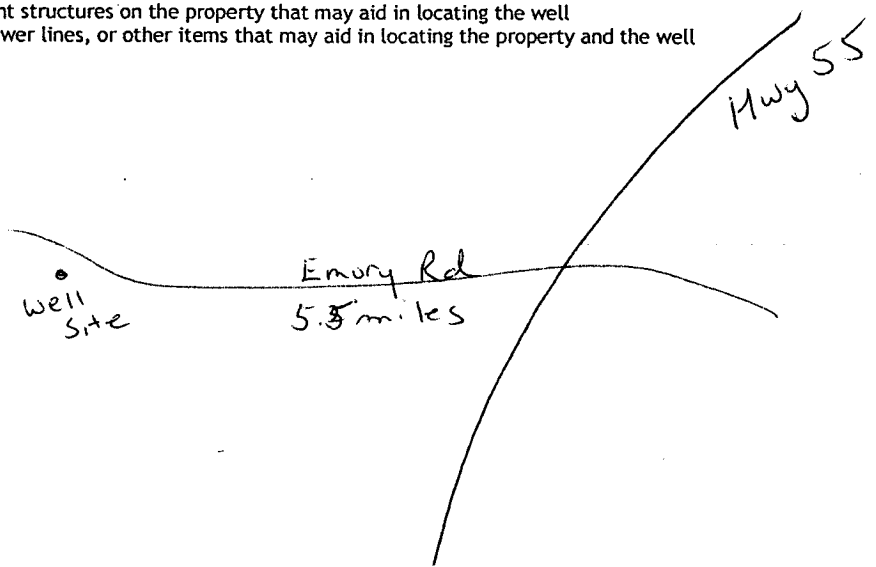
Description of Formations Encountered	From (depth)	To (depth)
	Ground level	
Sand, Red Clay	0	10
Sand	10	20
White Chalk	20	22
Chunky Clay	22	95
Sandy w/ Some Clay Strks	95	170
Gray Sand	170	230
Sand w/ Clay Strks	230	360
Shale	360	430
Clay + Gravel	430	460
Clay w/ Sand Strks	460	588
Clay	588	680
Clay w/ Sand Strks	680	710
Clay	710	838
Clay w/ Sand Strks	838	907
Sand	907	927
Clay	927	935
Sand	935	970
Gray Clay	970	1117

978' TO

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.

Robert Young Jr. UNR-5671 1/17/19 Robert Young Jr.
 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: Holmes
 Permit #: MS-GW-17283
 Driller: Donald Smith Co.
 Date completed: 12/19/18
Copy information from block on Part 1

For Office Use Only:

Well #: E24
 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>Lebanon Water Assoc</u>	Latitude: <u>33 14 34.9 N</u> Longitude: <u>89 53 54.5 W</u>
Mailing Address: <u>PO Box 610</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Lexington</u> <u>ms</u> <u>39095</u>	_____ 1/4 _____ 1/4, Sec <u>8</u> T <u>16 N</u> R <u>4 E</u>
City State Zip Code	<u>8.5</u> Miles <u>W</u> of <u>West, ms</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: 06/04/19 Rated Pump Capacity: 400 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: 75 Setting Depth: 400' feet Number of Stages: 14

Pump Test Data for Non Flowing Well

Date Well Tested: 7/09/19 Duration of Pump Test (minimum 4 hours): 8 hours

Static Water Level (A): 286 Feet Below Land Surface Pumping Water Level (B): 344 Feet Below Land Surface

Drawdown [(B) - (A)]: 58 Feet Below Land Surface Test Pumping Rate: 422 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: Badger Meter Serial Number: _____

Meter Model Number/Name: T-2000-LL Type of Meter: Turbo

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

Installation Date: 07/02/19 Meter installed by: Donald Smith Company

Is This Meter (circle 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.

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 BY OLWR

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

Robert Young Jr. UNR-5671 10/17/19 Robert Young Jr.
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

(BLACK HAWK)



BOWLING GREEN QUADRANGLE
MISSISSIPPI
TOPOGRAPHIC SERIES (PEACHAHALA CREEK)

089° 55' 05.2839" W
033° 15' 58.9331" N

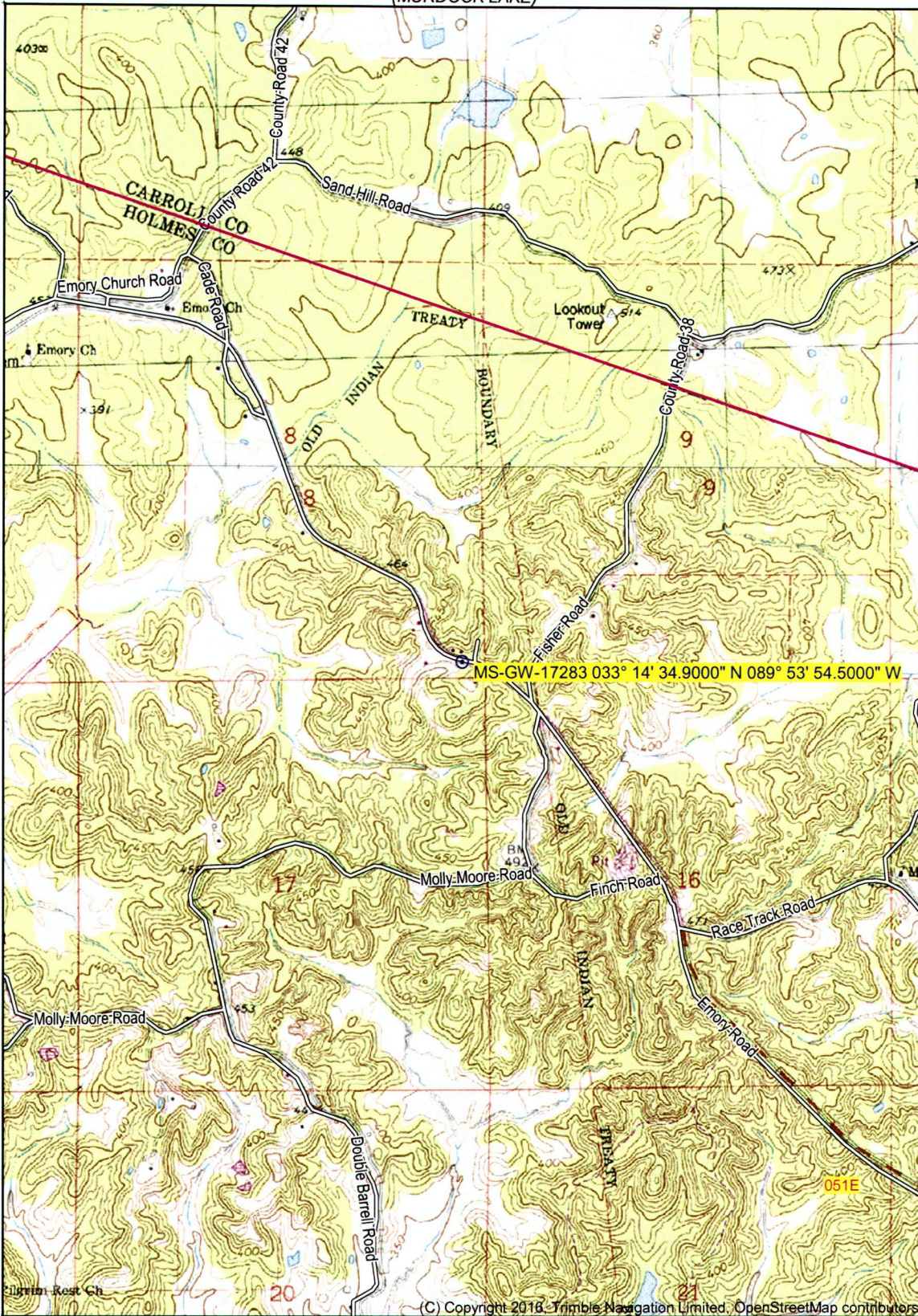
(MURDOCK LAKE)

089° 52' 43.8155" W
033° 15' 58.9331" N

(LEXINGTON NORTH)

(WEST)

MS-GW-17283 033° 14' 34.9000" N 089° 53' 54.5000" W



033° 13' 11.3305" N
089° 55' 05.2839" W

033° 13' 11.3305" N
089° 52' 43.8155" W

(LEXINGTON SOUTH)

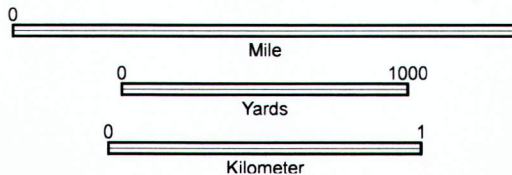
(DURANT)

Declination



GN 1.58° W
MN 1.36° W

(OWENS WELLS)
SCALE 1:24000



CONTOUR INTERVAL 10 FT

Produced by Trimble Terrain Navigator Pro
Topography based on USGS 1:24,000
Maps

North American 1983 Datum (NAD83)

To place on the predicted North American
1927 move the projection lines 14M N and
8M W

33089-B8-TM-024
BOWLING GREEN, MS
JAN 1, 1982