

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 #: M238
Aquifer: _____
E-Log #: _____

County: Washington
Permit #: G-W-46681 ✓
Driller: Charles M. Nichols
Date drilling completed: 5-16-13

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>Arlo Nightingale</u>	Latitude: <u>33° 13' 00.48" N</u> Longitude: <u>90° 48' 00.25" W</u>
Mailing Address: <u>2555 Avon Darboe Rd</u>	Method of Lat/Long (check one): <input type="checkbox"/> Conventional Survey, <input checked="" type="checkbox"/> <u>Google Earth</u>
<u>Hollandale Ms.</u> <u>38748</u>	<input type="checkbox"/> USGS quad, <input type="checkbox"/> Hand-held GPS, <input type="checkbox"/> Survey-grade GPS
City State Zip code	<u>SE 1/4 SE 1/4, Sec 22 T16N R6W</u>
Telephone No. () -	<u>4 1/2</u> Miles <u>NE</u> of <u>Hollandale</u>
	(Distance) (Direction) (Nearest Town)

Well / Borehole Data
Date drilling started: <u>5-16-13</u> Date drilling completed: <u>5-16-13</u> Hole depth: <u>120</u> Hole diameter: <u>26</u>
Location of the source of any surface water used for drilling: <u>Ditch</u>
Method of dosing and volume of Chlorine used in drilling and development: <u>HTH</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) _____
If drilling is not related to water well construction, skip the remainder of this block

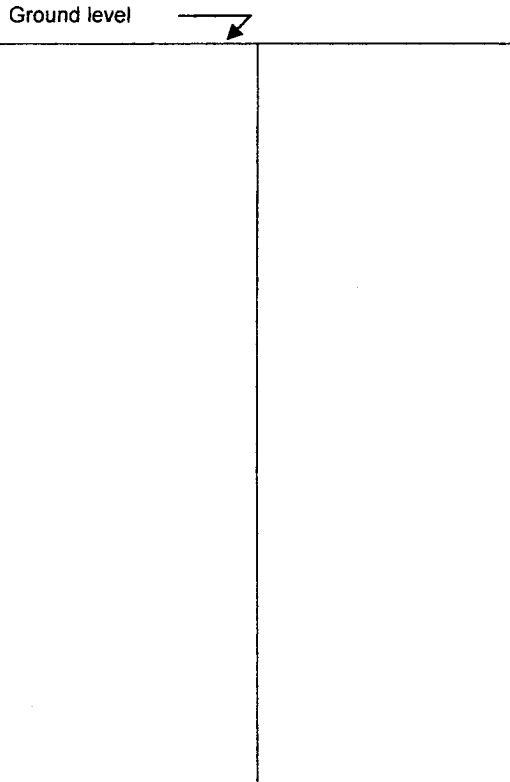
Purpose of Well (check all applicable): <input type="checkbox"/> Home <input type="checkbox"/> Industrial <input type="checkbox"/> Public Supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Fish Culture <input type="checkbox"/> Other (describe): <u>Replacement well</u>
If a flowing well, method of flow regulation: Valve _____ Other (describe) _____
Static Water Level: <u>25</u> feet (<input type="checkbox"/> above or <input checked="" type="checkbox"/> below) land surface Date measured: <u>5-17-13</u> <small>(check one)</small>
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>120</u> Well grouted to a depth of: <u>10</u> feet Type of grout (check one): <input type="checkbox"/> Neat Cement <input type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Mix
Casing length: <u>80</u> feet Casing diameter: <u>16</u> inches Type of casing: <u>pvc</u>
Screen length: <u>42</u> feet Screen diameter: <u>16</u> inches Type of screen: <u>pvc</u>
Screen slot size: <u>.032</u> inches Setting depth: From <u>80</u> feet to <u>120</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 #: EW 46681

For Office Use Only:
 Well #: M 238

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	
med clay	0	11
med sand	11	40
med to course sand	40	50
Course sand + p-gravel	50	70
fine sand	70	77
Course sand + p-gravel	77	120

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: Arlo Nightingale

Form: OLWR-SWR-1A (04/08)

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.

Charles M. Nichols 667 4-4-14 Charles M. Nichols
 Print Name of Responsible Licensee and License No. Date Signature of Licensee

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

County: Washington
 Permit #: GW 46681
 Driller: Charles M. Nichols
 Date drilling completed: 5-16-13
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 #: M 238
 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>Arlo Nightingale</u>	Latitude: <u>30° 13' 00.48" N</u> Longitude: <u>90° 48' 00.25" W</u>
Mailing Address: <u>2555 Avon Dabover Rd</u>	Method of Lat/Long (check one): <input type="checkbox"/> Conventional Survey,
<u>Hollandale</u> <u>MS.</u> <u>38748</u>	<input type="checkbox"/> USGS quad, <input type="checkbox"/> Hand-held GPS, <input type="checkbox"/> Survey-grade GPS
City State Zip code	<u>SE 1/4 SE 1/4, Sec 22 T 16 N R 6 W</u>
Telephone No. <u>() -</u>	<u>4 1/2</u> Miles <u>NE</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 5-17-13 Rated Pump Capacity: 2500 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: 70 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): 25 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: J.M. Geyser Meter Serial Number: 1060947

Meter Model Number/Name: 10" Type of Meter: Propeller

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

Installation Date: 5-17-13 Meter installed by: Charles M. Nichols

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.

Charles M. Nichols 667 4-4-14 Charles M. Nichols
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

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