

**FAXED**  
1-19-16

### 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 #: Q 78  
Aquifer: \_\_\_\_\_  
E-Log #: \_\_\_\_\_

County: Lincoln  
Permit #: \_\_\_\_\_  
Driller: Aldric Jones  
Date drilling completed: 10-23-15

*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.*

<b>Well Owner Information</b> (Landowner if borehole is not for a water well) Owner Name: <u>Topisaw Creek Water Assn, Inc.</u> Mailing Address: <u>90 Fouché &amp; Assoc.</u> <u>1700 West Government St. Suite R</u> <u>Brandon MS 39043</u> City State Zip Code Telephone No. <u>(601) 825-2333</u>	<b>Well or Borehole Location</b> Latitude: <u>31° 24' 54.94"</u> Longitude: <u>90° 23' 50.76"</u> Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____ <u>NE 1/4 SE 1/4, Sec 9 T 5N R 8E</u> <u>4.02</u> Miles <u>East</u> of <u>Bogue Chitto</u> (Distance) (Direction) (Nearest Town)
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**Well / Borehole Data**

Date drilling started: 8/19/15 Date drilling completed: 10/23/15 Hole depth: 1462' Hole diameter: 24"

Location of the source of any surface water used for drilling: Existing Well

Method of dosing and volume of Chlorine used in drilling and development: \_\_\_\_\_

Logs run (circle 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 (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: 358 feet (above or  below land surface Date measured: 3-18-16  
 (circle one)

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

Well depth: 1265' Well grouted to a depth of: 1235 feet Type of grout (circle one):  Neat Cement Bentonite Mix

Casing length: 1235 feet Casing diameter: 12 inches Type of casing: Coated Steel

Screen length: 25 feet Screen diameter: 8 inches Type of screen: Stainless Steel

Screen slot size: .020 inches Setting depth: From 1235 feet to 1261 feet

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

Top of lap pipe or reduction in casing: 1155 feet

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

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1. The first part of the report deals with the general situation in the country. It is noted that the economy is in a state of depression and that the government is unable to meet its obligations. The report also mentions that the population is suffering from a lack of food and clothing.

2. The second part of the report discusses the political situation. It is noted that the government is weak and that there is a lack of unity among the different political groups. The report also mentions that the military is in a state of disarray and that there is a risk of a coup d'état.

3. The third part of the report deals with the social situation. It is noted that the population is suffering from a lack of education and that there is a high level of unemployment. The report also mentions that the health care system is in a state of collapse and that there is a high level of infant mortality.

4. The fourth part of the report discusses the international situation. It is noted that the country is isolated and that there is a lack of support from the major powers. The report also mentions that the country is in a state of economic dependence on the major powers.

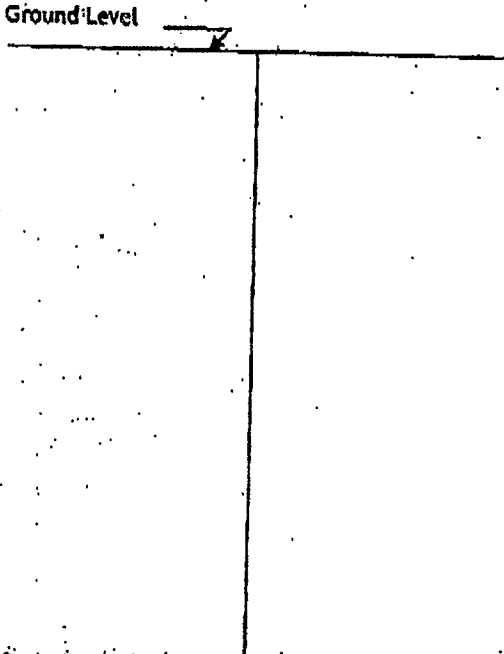
5. The fifth part of the report deals with the future of the country. It is noted that the country needs to be reformed and that there is a need for a new constitution. The report also mentions that the country needs to be integrated into the international community.

County: Lincoln  
 Permit #: \_\_\_\_\_

**For Office Use Only:**  
 Well #: Q78

*The sketch below only required for water wells*

*If well telescopes, show depths on sketch.*



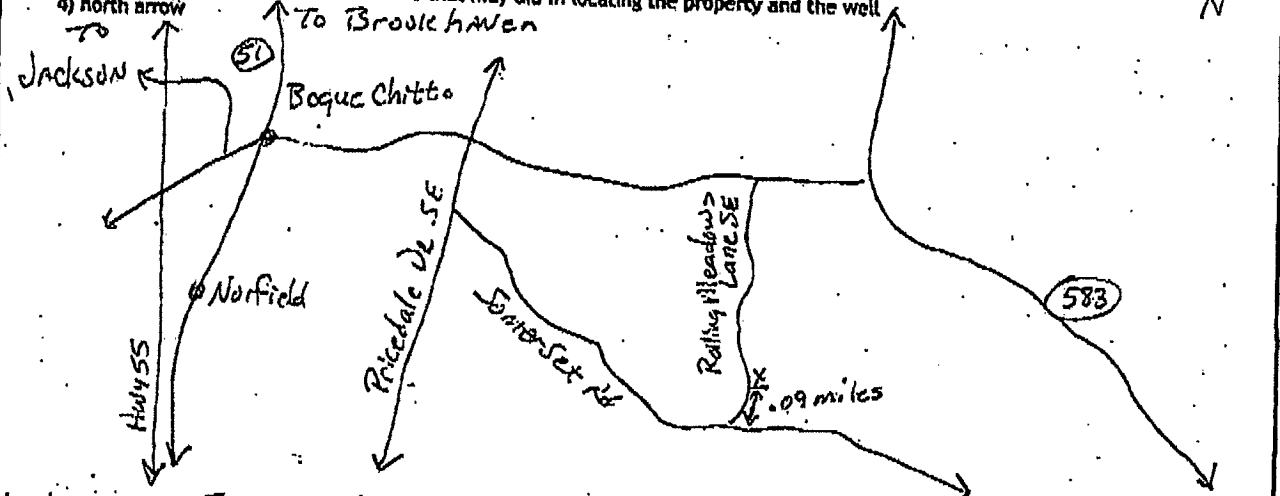
*Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations.*

Description of Formations Encountered	From (depth)	To (depth)
CLAY	Ground level	19
Red Clay	19	46
Sandy Clay	46	70
Sand w/ Pea Gravel	70	81
Rock	81	82
Sand and Gravel	82	91
Sand and Clay	91	135
Sand and Gravel	135	153
CLAY	153	190
Clay w/ Sand & Pea Gravel	190	370
Sandy Clay	370	461
Sand w/ Clay	461	597
Rock	597	598
Clay w/ Sand or Sand w/ Clay	598	1108
Shale w/ Clay	1108	1143
Sand w/ Shale	1143	1270
Clay w/ Sandy Shale	1270	1310
Sandy Shale	1310	1423
Clay or Shale	1423	1437
Sand w/ Shale	1437	1467
Shale	1467	1473

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: Tupisaw Water Association, Inc

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.

Clayton Miller 0-703      4-18-16      Clayton Miller  
 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: Lincoln  
 Permit #: \_\_\_\_\_  
 Driller: Robert Ratliff Jr.  
 Date completed: 3-18-16  
*Copy information from block on Part 1*

**For Office Use Only:**  
 Well #: Q78  
 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>Topisaw Creek Water Assoc. Inc.</u>	Latitude: <u>31° 24' 54.94"</u> Longitude: <u>90° 23' 50.76"</u>
Mailing Address: <u>40 Fouché &amp; Assoc.</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>1700 West Government St. Suite R</u>	USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Brandon MS 39043</u>	<u>NE 1/4 SE 1/4, Sec 9 T 5N R 8E</u>
City State Zip Code	<u>4.02 Miles East of Bogus Chico</u>
Telephone No. <u>(601) 825-2333</u>	(Distance) (Direction) (Nearest Town)

**Pump Type (circle one)**  
 Submersible  Turbine Air Lift Centrifugal Flowing Well Jet Piston Rotary Other (describe): \_\_\_\_\_  
 Date Pump Installed: 3-18-16 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: 460 feet Number of Stages: 12

**Pump Test Data for Non Flowing Well**  
 Date Well Tested: 4-12-16 Duration of Pump Test (minimum 4 hours): 4 hours  
 Static Water Level (A): 358 Feet Below Land Surface Pumping Water Level (B): 379 Feet Below Land Surface  
 Drawdown ((B) - (A)): 21 Feet Below Land Surface Test Pumping Rate: 400 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: McCrometer Meter Serial Number: 20160162-08  
 Meter Model Number/Name: ML04 Type of Meter: Propeller Fx F w/ Transmitter  
 Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): gal x 1000  
 Installation Date: 3-21-16 Meter installed by: MidSouth Water, LLC  
 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.*

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.  
Clayton Miller 0703 4-18-16 Clayton Miller  
 Print Name of Pump Installer and License No. (if applicable) Date Signature of Pump Installer

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the information gathered is both reliable and comprehensive.

The third section focuses on the results of the analysis. It shows that there are significant trends in the data, particularly in the areas of customer behavior and market demand. These findings are crucial for making informed business decisions.

Finally, the document concludes with a series of recommendations for future work. It suggests that further research should be conducted to explore the underlying causes of the observed trends. Additionally, it recommends implementing new strategies to better serve the market.