

Boring

Test Hole for MS-GW-17558

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)961-5555
(601)961-5228 (fax)

For Office Use Only:

Well #: F19
Aquifer:
E-Log #:

County: Tishomingo
Permit #: MS GW 17557
Driller: Ray Smith
Date drilling completed: 1-21-21

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: TCWD
Mailing Address: 117 E Eastport St
Iuka MS 38852
Telephone No. (602) 423-3211
Well or Borehole Location
Latitude: 34° 48' 44.8" Longitude: 88° 10' 18.8"
Method of Lat/Long (check one): Conventional Survey
USGS quad SW 1/4 SW 1/4, Sec 17 T. 035 R. 11E

Well / Borehole Data
Date drilling started: 1-19-21 Date drilling completed: 1-21-21 Hole depth: 400' Hole diameter: 7 7/8"
Location of the source of any surface water used for drilling: N/A
Method of dosing and volume of Chlorine used in drilling and development: 20 gal. finished water and injection in pit
Logs run (check all applicable): [X] log run [X] Electric [X] Gamma Ray [ ] Density [ ] Sonic [ ] Neutron Other:
Name of organization running log(s): USGS MS
Purpose of borehole (check one): Water Well [ ] Geotechnical/Geological Investigation [ ] Ground Source Heat Pump [ ] Seismic Survey Other (describe) Test hole
If drilling is not related to water well construction, skip the remainder of this block

Purpose of Well (check all applicable): [ ] Home [ ] Industrial [X] Public Supply [ ] Irrigation [ ] Fish Culture
Other (describe): Test hole
If a flowing well, method of flow regulation: Valve Other (describe)
Static Water Level: feet [ ] above or [ ] below land surface Date measured:
Method of measurement (check one) [ ] Steel tape [ ] Electric tape [ ] Air line [ ] Other (describe):
Well depth: 101 Well grouted to a depth of: feet Type of grout (check one) [ ] Neat Cement [ ] Bentonite [ ] Mix
Casing length: feet Casing diameter: inches Type of casing:
Screen length: feet Screen diameter: inches Type of screen:
Screen slot size: inches Setting depth: From feet to 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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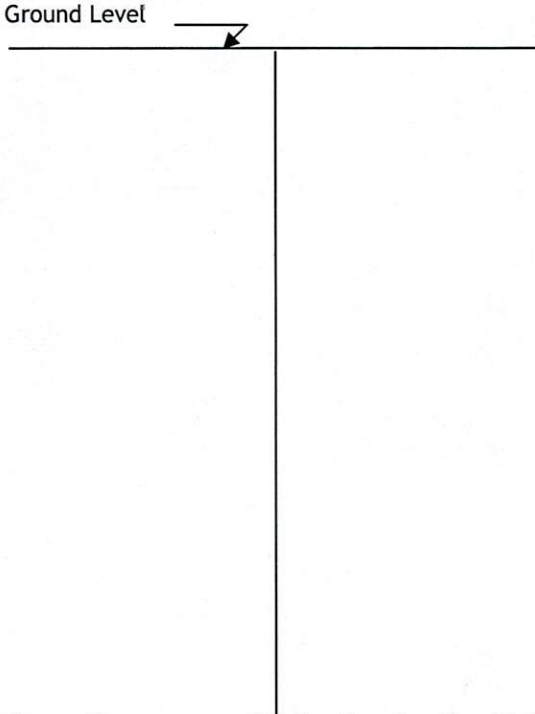
Test Hole for MS-GW-17558

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Sketch below only required for water wells

If well screens, show depths on sketch.



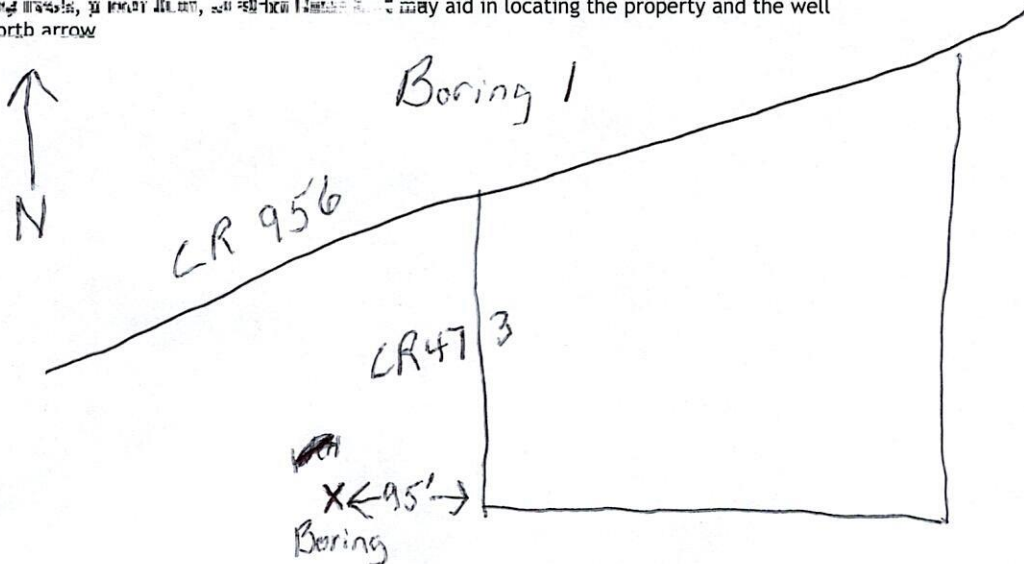
Stratigraphic Formation names to be printed on wells and boreholes, unless exempt by regulations

Description of Formations Encountered	From (depth)	To (depth)
Top Soil	Ground level	3'
Sandy Clay	3'	15'
Sand	15'	18'
Gravel	18'	32'
Red and gray clay	32	45'
Gray Clay	45	54'
Clay with gravel	54	78'
Hard clay with gravel	78	162'
Chert	162	175'
Hard clay	175	184'
Hard chert	184	202'
Clay with chert	202	223'
Hard chert	223	248'
Broken chert	248	389'
Hard chert	389	400'
Test Hole was Abandoned w/ Cement grout		

When one screen, show location of screen on sketch

Sketch the property layout and include the following:

- 1) the well location
- 2) any permanent obstructions on the property that may aid in locating the well
- 3) any roads, or other features, that may aid in locating the property and the well
- 4) north arrow



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Signature

I warrant 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...

Jimmy "Ray" Smith UMR-00005717 1-27-22 Jimmy Ray Smith



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**RE:** TCWD Water Treatment Facility & Wells  
Phase 2: Permanent Well Construction  
E18-117

**Date:** 01/13/2021

**ATT:** Dean McRae Engineering - Tommy Dean  
P.E. Principal

**Subject:** Test Drilling Log / Drillers Log -  
Lithology Report

**Driller** - Jimmy "Ray" Smith

License # UNR-00005717 EXP 06/30/21

**Contractor** - National Water Services, LLC

MSBOC C.O.R.# 22154-MC EXP - 03/29/2021

**Well Purpose:** Test Hole #1 - Municipal  
Supply

**Drilling Method:** Conventional Mud Rotary

**Well Completion Data**

**Diameter** 7 7/8"

**Total Depth In Feet** 398'

**Type Of Log** - Gama\_\_ Electric\_\_

**Date Of Completion** 1/21/2021

**Submittal - 04220-2 1.05 G 1. & 2.b**

Descriptions and Colors of Materials	FROM	TO
Top Soil	0	3
Sandy Clay	4	15
Sand	16	18
Gravel	19	32
Red & Gray Clay	33	45
Gray Clay	46	54
Clay With Gravel	55	78
Hard Clay With Gravel	79	162
Chert	163	175
Hard Clay	176	184
Hard Chert	185	202
Clay With Chert	203	223
Hard Chert	224	248
Broken Chert	249	389
Hard Chert	390	400