

# State Well Report

## Part 1 - Driller's Log

Mississippi Department of Environmental Quality  
Office of Land and Water Resources  
P.O. Box 10631  
Jackson, MS 39289-0631  
(601)961-5210  
(601)354-6938 (fax)

### For Office Use Only:

Aquifer: \_\_\_\_\_  
Well #: Pit 53 East **D 253**  
L. S. Elevation: \_\_\_\_\_  
E-log #: \_\_\_\_\_

County: Choctaw **019**  
Permit #: \_\_\_\_\_  
Driller: H. Randal Warren  
Date drilling completed: 07/08/14

**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.**

Information on Well Owner (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name <u>MS Lignite Mining Company</u>	Latitude: <u>33 ° 23 ' 41 "</u> Longitude: <u>89 ° 14 ' 51 "</u> ✓
Mailing Address: <u>1000 McIntire Road</u>	Method of Lat/Long (circle one): Conventional Survey,
<u>Ackerman</u> MS 39735	USGS quad, Hand-held GPS, Survey-grade GPS
City State Zip Code	<u>SE</u> <u>NW</u> <u>NE</u> <u>SW</u> 1/4 <u>28</u> 1/4 Sec <u>27</u> Twn <u>18N</u> Rng <u>10E</u>
Telephone No. <u>(662) 387-5200</u>	Distance Direction Nearest Town <u>5</u> Miles <u>NW</u> of <u>Ackerman</u>

### Well / Borehole Data

Date drilling started: 6/30/14 Date drilling completed: 7/08/14 Hole depth: 65-100' Hole diameter: 8 in.

Location of the source of any surface water used for drilling: Creek Water  
Method of dosing and volume of Chlorine used in drilling and development: 1 gal per 500 gal water

Logs run (circle all applicable): (No log run) Electric Gamma Ray Density Sonic Neutron Other: \_\_\_\_\_  
Name of organization running log(s): N/A

Purpose of borehole (check one): Water Well \_\_\_ Geotechnical/Geological Investigation \_\_\_ Ground Source Heat Pump \_\_\_  
Seismic Survey X Other (describe) dewatering wells

**If drilling is not related to water well construction, skip the remainder of this block**

Purpose of Well (check one): Home \_\_\_ Industrial \_\_\_ Public Supply \_\_\_ Irrigation \_\_\_ Fish Culture \_\_\_ Other: De-water

If a flowing well, method of flow regulation: Valve \_\_\_ X Other (describe) \_\_\_\_\_

Static Water Level: unknown feet above or below (circle one) land surface Date measured: unknown

Method of Measurement (circle one) steel tape electric tape air line other: \_\_\_\_\_

Well depth: 65-100' Well grouted to a depth of 55-90' feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 55-90 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 10 feet Screen diameter: 4 inches Type of screen: PVC

Screen slot size: 0.01 inches Setting depth: From 65 feet to 100 feet

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

Other (describe): Drain wells & manifold assembly to relieve excess pore water pressure. See Attachment.

Top of lap pipe or reduction in casing: \_\_\_\_\_ feet. **If telescoped or more than one screen, describe on next page**

D 253

The sketch below only required for water wells

If well telescopes, show depths on sketch.

Ground Level

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	
WILCOX FORMATION	0	100

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: MS Lignite Mining Company

Form: OLWR-SWR-1A

I 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.

H. Randal Warren

08/25/14

*H. Randal Warren*

Print Name of Responsible Licensee and License No.

Date

Signature of Licensee

