

### State Well Report Part 1 - Driller's Log

County: Choctaw  
 Permit #: \_\_\_\_\_  
 Driller: D. Warren  
 Date drilling completed: 10/5/09

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: D 242  
 Well #: \_\_\_\_\_  
 L. S. Elevation: \_\_\_\_\_  
 E-log #: \_\_\_\_\_

**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, USGS quad, Hand-held GPS, Survey-grade GPS
<u>Ackerman</u> MS <u>39735</u>	<u>SW 1/4 NW 1/4 Sec 27 Twn 18N Rng 10E</u>
City State Zip Code	Distance Direction Nearest Town <u>5</u> Miles <u>NW</u> of <u>Ackerman</u>
Telephone No. <u>(662) 387-5200</u>	

**Well / Borehole Data**

Date drilling started: 10/5/09 Date drilling completed: 10/5/09 Hole depth: 170 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): Century Wireline - Pilot Borings, E-log

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

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

Static Water Level: 98.1 feet above or below (circle one) land surface Date measured: 3/12/10

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

Well depth: 170 Well grouted to a depth of 105 feet Type of grout (circle one): Neat Cement Bentonite (Mix)

Casing length: 110 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 60 feet Screen diameter: 4 inches Type of screen: PVC

Screen slot size: 0.01 inches Setting depth: From 110 feet to 170 feet

Type of completion (circle all applicable): (Gravel packed) Underreamed Telescoped 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***

Form: OLWR-SWR-1A

**RECEIVED**  
**APR 01 2010**  
**BY: OLWR**



# STATE WELL REPORT

## Part 2

**Pump Installer's Completion Report**  
 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)

County: \_\_\_\_\_  
 Permit #: \_\_\_\_\_  
 Driller: \_\_\_\_\_  
 Date completed: \_\_\_\_\_  
*Copy information from block on Part 1*

**For Office Use Only:**

Aquifer: D 242  
 Well #: \_\_\_\_\_  
 Elevation: \_\_\_\_\_

*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: _____	Latitude: _____ Longitude: _____
Mailing Address: _____ _____ _____	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____
City _____ State _____ Zip Code _____	_____ ¼ _____ ¼ Sec _____ T _____ R _____
Telephone No. (____) _____	Distance _____ Direction _____ Nearest Town _____ <u>5</u> Miles <u>NW</u> of <u>Ackerman</u>

Pump Type Circle one	Power Type Circle one
Air Lift _____ Jet _____ <u>Submersible</u>	Diesel Engine _____ Gasoline Engine _____ Natural Gas _____
Bucket _____ Piston _____ Turbine _____	<u>Electric Motor</u> _____ Hand _____ Tractor PTO _____
Centrifugal _____ Rotary _____ Flowing Well _____	Windmill _____ Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: _____
Date Pump Installed: _____	Setting Depth: _____ feet
Rated Pump Capacity: <u>5</u> Gallons Per Minute	Number of Stages: _____

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: _____	Air Line _____ Electric Measuring Line _____ Steel Tape _____
Static Water Level (A): _____ Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): _____ Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: _____ Feet Below Land Surface	Well yielded _____ GPM with a drawdown of _____ feet after _____ hours of pumping
Test Pumping Rate: _____ Gallons Per Minute	
Duration of Pump Test (minimum 4 hours): _____ hours	

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

\_\_\_\_\_  
 Print Name of Pump Installer and License No. (if applicable)

\_\_\_\_\_  
 Signature of Pump Installer

Form: OLWR-SWR-1B  
**RECEIVED**  
**APR 01 2010**  
**BY: OLWR**