

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)

County: Choctaw
 Permit #: _____
 Driller: D. Warren
 Date drilling completed: 10/23/09

For Office Use Only:
 Aquifer: D 232
 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): <u>Conventional Survey,</u>
<u>Ackerman</u> MS <u>39735</u>	USGS quad, Hand-held GPS, Survey-grade GPS
City State Zip Code	<u>SW ¼ NW ¼ Sec 27 Twn 18N Rng 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: 10/22/09 Date drilling completed: 10/23/09 Hole depth: 235 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: 158.7 feet above or below (circle one) land surface Date measured: 9/29/09

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

Well depth: 235 Well grouted to a depth of 185 feet Type of grout (circle one): Neat Cement Bentonite (Mix)

Casing length: 195 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 4 inches Type of screen: PVC

Screen slot size: 0.01 inches Setting depth: From 190 feet to 230 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

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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: D232
 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 _____ _____ ¼ _____ ¼ Sec _____ T _____ R _____
City State Zip Code	Distance Direction Nearest Town <u>5</u> Miles <u>NW</u> of <u>Ackerman</u>
Telephone No. (____) _____	

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
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