

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: Clustow
Permit #: MSLIC 0779 GM
Driller: Zandy Sellers
Date drilling completed: 11-6-06

For Office Use Only:
Aquifer: _____
Well #: D-96
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 Light Mining Co</u>	Latitude: <u>33° 32' 43"</u> Longitude: <u>89° 15' 31"</u>
Mailing Address: <u>100 McIntire Rd</u> <u>Adlerman, MS 39735</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, <u>Survey-grade GPS</u>
City _____ State _____ Zip Code _____	<u>NW 1/4 NW 1/4 Sec 33 Twn 18N Rng 10E</u>
Telephone No. <u>(602) 387-5200</u>	Distance _____ Direction _____ Nearest Town _____ <u>2.5 Miles NW of Clustow</u>
Well / Borehole Data	
Date drilling started: <u>5-20-06</u> Date drilling completed: <u>11-6-06</u> Hole depth: <u>175'</u> Hole diameter: <u>10"</u>	
Location of the source of any surface water used for drilling: <u>Little Bony Creek</u>	
Method of dosing and volume of Chlorine used in drilling and development: <u>1 gal bleach to 500 gal water</u>	
Logs run (circle all applicable): No log run <u>Electro</u> <u>Gamma Ray</u> <u>Density</u> Sonic Neutron Other: _____	
Name of organization running log(s): <u>Century Geophysical Corp.</u>	
Purpose of borehole (check one): Water Well <input checked="" type="checkbox"/> Geotechnical/Geological Investigation _____ Ground Source Heat Pump _____	
Seismic Survey _____ Other (describe) _____	
<i>If drilling is not related to water well construction, skip the remainder of this block</i>	
Purpose of Well (check one): Home _____ <u>Industrial</u> _____ Public Supply _____ Irrigation _____ Fish Culture _____ Other: _____	
If a flowing well, method of flow regulation: Valve _____ Other (describe) _____	
Static Water Level: <u>92</u> feet above or <u>below</u> (circle one) land surface Date measured: <u>11-17-06</u>	
Method of Measurement (circle one) steel tape _____ <u>electric tape</u> _____ air line _____ other: _____	
Well depth: <u>175</u> Well grouted to a depth of <u>120</u> feet Type of grout (circle one) <u>Neat Cement</u> _____ Bentonite _____ Mix _____	
Casing length: <u>130</u> feet Casing diameter: <u>4</u> inches Type of casing: <u>PVC</u>	
Screen length: <u>40</u> feet Screen diameter: <u>4</u> inches Type of screen: <u>PVC</u>	
Screen slot size: <u>0.010</u> inches Setting depth: From <u>130</u> feet to <u>170</u> feet	
Type of completion (circle all applicable): <u>Gravel packed</u> _____ Underreamed _____ Telescoped _____ Open hole _____ Natural Development _____	
Other (describe): _____	
Top of lap pipe or reduction in casing: _____ feet. <i>If telescoped or more than one screen, describe on next page</i>	

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: Choctaw
 Permit #: MS Lic 0119 G-M
 Driller: Randy Sakers
 Date completed: 11-17-06
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: D-96
 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: <u>MS Lignite Mining Co.</u>	Latitude: <u>33°32'43"</u> Longitude: <u>87°40'15"</u>
Mailing Address: <u>1000 Mc Intire Rd.</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Ackerly, MS 39735</u>	USGS quad _____, Hand-held GPS _____, Survey-grade GPS <input checked="" type="checkbox"/>
City State Zip Code	<u>NW 1/4 NW 1/4 Sec 33 T 18N R 10E</u>
Telephone No. (<u>662</u>) <u>387-5200</u>	Distance Direction Nearest Town
	<u>2.5</u> Miles <u>NW</u> of <u>Chester</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input checked="" type="radio"/> <u>Submersible</u>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine	<input checked="" type="radio"/> <u>Electric Motor</u> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>1/2</u>
Date Pump Installed: <u>11-17-06</u>	Setting Depth: <u>128</u> feet
Rated Pump Capacity: <u>7.5</u> Gallons Per Minute	Number of Stages: _____

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>12-1-06</u>	Air Line <input checked="" type="radio"/> <u>Electric Measuring Line</u> Steel Tape
Static Water Level (A): <u>92.3</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>133</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>40.7</u> Feet Below Land Surface	Well yielded <u>3</u> GPM with a drawdown of
Test Pumping Rate: <u>3</u> Gallons Per Minute	<u>40.7</u> feet after <u>6</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>6</u> hours	

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

Randy Sakers MS Lic 0119 G-M
 Print Name of Pump Installer and License No. (if applicable)

Randy Sakers
 Signature of Pump Installer

Form: OLWR-SWR-1B
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