

County: CHOCTAW  
 Permit #: \_\_\_\_\_  
 Driller: RANDY SALERS  
 Date drilling completed: 11-17-06

### 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 #: D-100  
 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.*

<p><b>Information on Well Owner</b>          (Landowner if borehole is not for a water well)</p> <p>Owner Name: <u>MS LIGNITE MINING CO.</u>          Mailing Address: <u>1000 McINTIRE RD</u>  <u>ALGERMAN, MS 39735</u>          City State Zip Code          Telephone No. (<u>662</u>) <u>387-5200</u></p>	<p><b>Well or Borehole Location</b></p> <p>Latitude: <u>33° 32' 51"</u> Longitude: <u>89° 15' 11"</u>          Method of Lat/Long (circle one): Conventional Survey,          USGS quad, Hand-held GPS, Survey-grade GPS  <sup>NW NE</sup>  <del>NE</del> 1/4 <del>NE</del> 1/4 Sec <u>33</u> Twn <u>18N</u> Rng <u>10E</u>          Distance Direction Nearest Town  <u>2.5</u> Miles <u>NW</u> of <u>CLUSTER</u></p>
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**Well / Borehole Data**

Date drilling started: 9-21-06 Date drilling completed: 11-17-06 Hole depth: 215 Hole diameter: 10"

Location of the source of any surface water used for drilling: Little Jimmy Creek  
 Method of dosing and volume of Chlorine used in drilling and development: 1 GAL BLEACH TO 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 GEOPHYSICAL CORP.

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: \_\_\_\_\_

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

Static Water Level: 139 feet above or below (circle one) land surface Date measured: 11-30-06

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

Well depth: 215 Well grouted to a depth of 155 feet Type of grout (circle one) Neat Cement  Bentonite  Mix

Casing length: 170 feet Casing diameter: 4 inches Type of casing: PVC

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

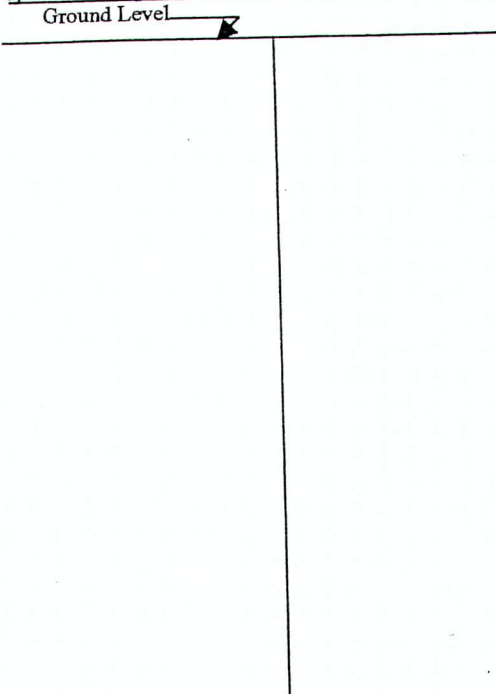
Screen slot size: 0.010 inches Setting depth: From 170 feet to 210 feet

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*

The sketch below only required for water wells

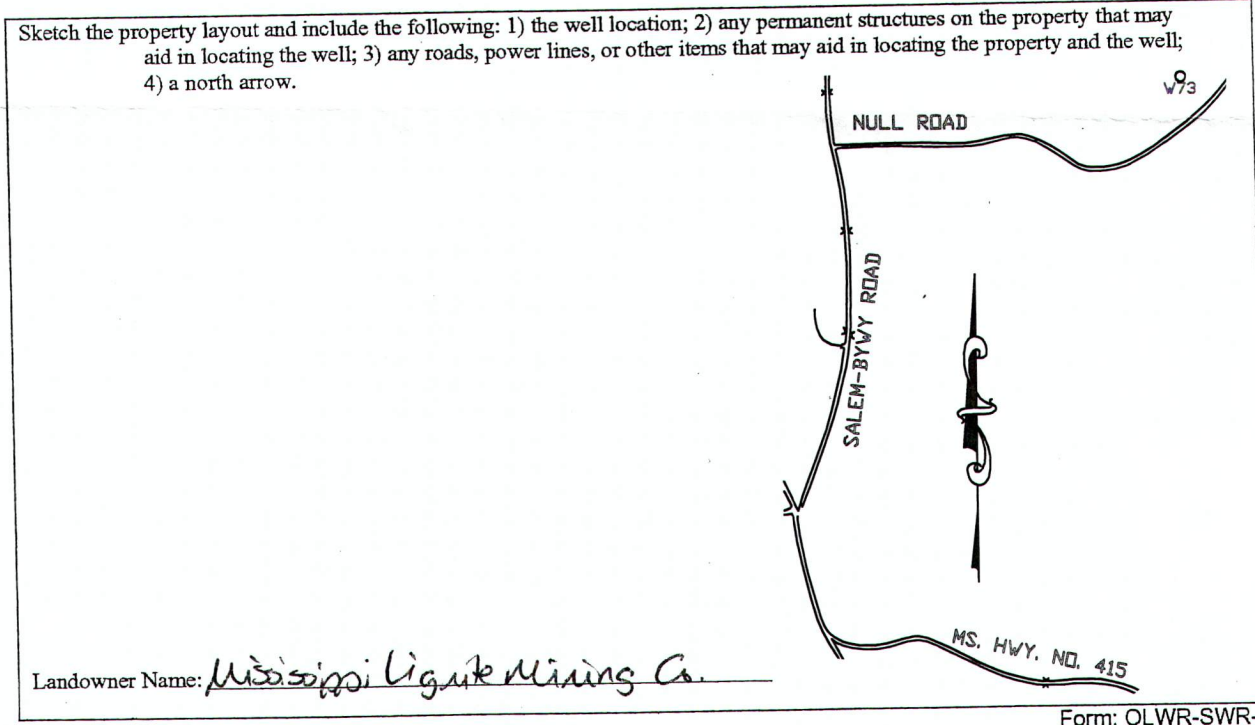
If well telescopes, show depths on sketch.



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	20
SAND	20	21
lignite	21	35
silt	35	38
lignite	38	53
CLAY	53	60
lignite	60	80
CLAY	80	127
SAND	127	136
CLAY	136	141
lignite	141	167
CLAY	167	172
lignite	172	190
SAND	190	193
lignite	193	207
SAND	207	215
CLAY		

If more than one screen, show location of each on sketch



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.

Print Name of Responsible Licensee and License No. Randy SAHERS MS LIC 00796M Date 3-21-07

Signature of Licensee Randy Sahers

RECEIVED  
APR 09 2007  
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: CHOCTAW  
 Permit #: \_\_\_\_\_  
 Driller: RANDY SALERS  
 Date completed: 11-17-2006  
*Copy information from block on Part 1*

For Office Use Only:

Aquifer: \_\_\_\_\_  
 Well #: D-100  
 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 LIBANITE MINING CO.</u>	Latitude: <u>33°32'51"</u> Longitude: <u>87°39'54"</u>
Mailing Address: <u>1000 MCINTIRE RD.</u> <u>ALKERMAN, MS 39735</u>	Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS _____, Survey-grade GPS <input checked="" type="checkbox"/>
City _____ State _____ Zip Code _____	<u>NE 1/4 NW 1/4 Sec 33 T19N R NE</u>
Telephone No. ( <u>662</u> ) <u>387-5200</u>	Distance _____ Direction _____ Nearest Town _____ <u>2.5 Miles NW of Cluster</u>

Pump Type Circle one	Power Type Circle one
Air Lift      Jet <input checked="" type="radio"/> Submersible	Diesel Engine      Gasoline Engine      Natural Gas
Bucket      Piston      Turbine	<input checked="" type="radio"/> Electric Motor      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>11-17-2006</u>	Setting Depth: <u>168</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>11-30-2006</u>	Air Line <input checked="" type="radio"/> Electric Measuring Line      Steel Tape
Static Water Level (A): <u>139</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>165</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>26</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>26</u> feet after <u>4</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	

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

Randy SALERS MS LIC 0079 GM  
 Print Name of Pump Installer and License No. (if applicable)

Randy Salers  
 Signature of Pump Installer

Form: OLWR-SWR-1B