

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: Randy Sakers
 Date drilling completed: 3-30-07

For Office Use Only:
 Aquifer: _____
 Well #: D-144
 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 <i>(Landowner if borehole is not for a water well)</i>	Well or Borehole Location
Owner Name: <u>MS lignite Mining Co.</u>	Latitude: <u>33° 22' 50"</u> Longitude: <u>89° 13' 58"</u>
Mailing Address: <u>1000 McIntire Rd</u> <u>Ackerly, 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>SW 1/4 NE 1/4 Sec 34 Twn 18N Rng 10E</u>
Telephone No. (601) <u>387-5200</u>	Distance: <u>2.5</u> Miles Direction: <u>NW</u> of Nearest Town: <u>CHESTER</u>

Well / Borehole Data

Date drilling started: 9-24-06 Date drilling completed: 3-30-2007 Hole depth: 295 Hole diameter: 4 3/4

Location of the source of any surface water used for drilling: LITTLE BYWAY CREEK

Method of dosing and volume of Chlorine used in drilling and development: 1 GAL BLEACH TO 500 GAL OF WATER

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____

Name of organization running log(s): CENTURY GEO PHYSICAL 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: 201.2 feet above or below (circle one) land surface Date measured: 4-15-2007

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

Well depth: 295 Well grouted to a depth of 250 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 250 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 250 feet to 290 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*

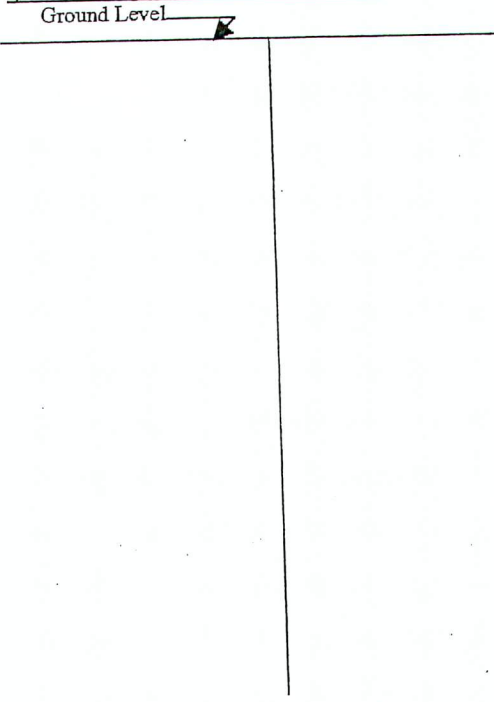
Form: OLWR-SWR-1A

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D-144

The sketch below only required for water wells

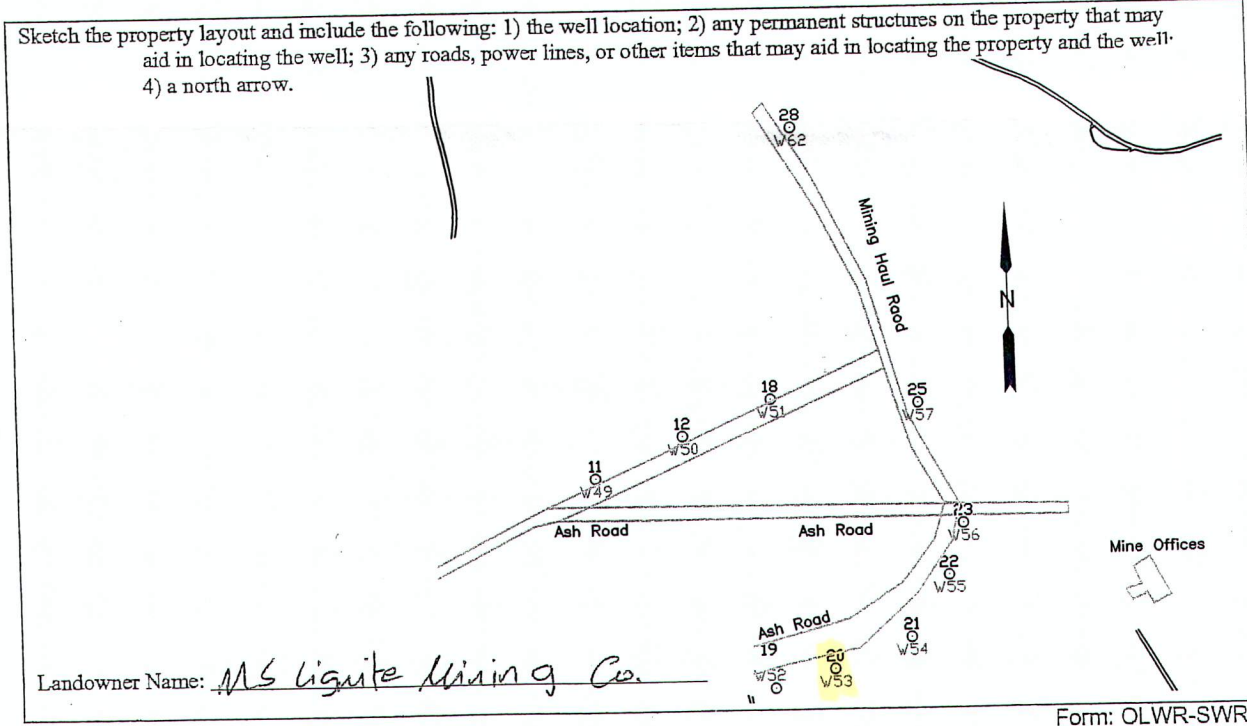
If well telescopes, show depths on sketch.



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)
Sand	Ground Level	60
Lignite	60	69
clay	69	96
Sand	96	110
Lignite	110	111
clay	111	127
Lignite	127	129
clay	129	164
Lignite	164	169
clay	169	173
Lignite	173	177
clay	177	199
Lignite	199	201
clay	201	249
Lignite	249	253
clay	253	257
Sand	257	270

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 SALTERS MS LIC 0778 CA Date 6-15-07

Signature of Licensee Randy SALTERS

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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 #: _____
 Driller: RANDY SALERS
 Date completed: 3-30-07
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: D-144
 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°22'50"</u> Longitude: <u>89°13'58"</u>
Mailing Address: <u>1000 McEntire Rd</u> <u>Ackerman, 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>SW 1/4 NE 1/4 Sec 34 T 18N R 10E</u>
Telephone No. <u>(662) 387-5200</u>	Distance Direction Nearest Town <u>2.5 Miles NW of CHESTER</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input type="radio"/> <u>Submersible</u>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston <input type="radio"/> Turbine <input type="radio"/>	<u>Electric Motor</u> Hand Tractor PTO
Centrifugal Rotary <input type="radio"/> Flowing Well <input type="radio"/>	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>.5</u>
Date Pump Installed: <u>4-27-07</u>	Setting Depth: <u>264</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>4-27-07</u>	Air Line <input type="radio"/> <u>Electric Measuring Line</u> Steel Tape
Static Water Level (A): <u>201.2</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>264</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>62.8</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>62.8</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 0779 GM Randy Salers
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

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