DW 52

County: CHOCTAW
Permit #:
Driller: RANDY SAUERS
Date drilling completed: 4-30-07

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-162
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)

Owner Name: MS Lignite Mining Co.
Mailing Address: 1000 McAndrew Rd
Ackerman, MS 39735
City State Zip Code
Telephone No. (662) 387-5200

Well or Borehole Location

Latitude: 33 ° 22 ' 48.93" Longitude: 89 ° 14 ' 03"
Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, (Survey-grade GPS)
SW ¼ NE ¼ Sec 34 Twn 18N Rng 10E
Distance 2.5 Miles Direction NW of Nearest Town CHESTER

Well / Borehole Data

Date drilling started: 9-24-06 Date drilling completed: 4-30-07 Hole depth: 300' Hole diameter: ' 4 3/4
Location of the source of any surface water used for drilling: LITTLE BYWY 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 X 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: 210 feet above or (below) (circle one) land surface Date measured: 5-23-07
Method of Measurement (circle one) steel tape (electric tape) air line other:
Well depth: 300 Well grouted to a depth of 250 feet Type of grout (circle one): (Neat Cement) Bentonite Mix
Casing length: 258 feet Casing diameter: 4 inches Type of casing: PVC
Screen length: 40 feet Screen diameter: 4 inches Type of screen: PVC
Screen slot size: .01 inches Setting depth: From 255 feet to 295 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-162

The sketch below only required for water wells

If well telescopes, show depths on sketch.

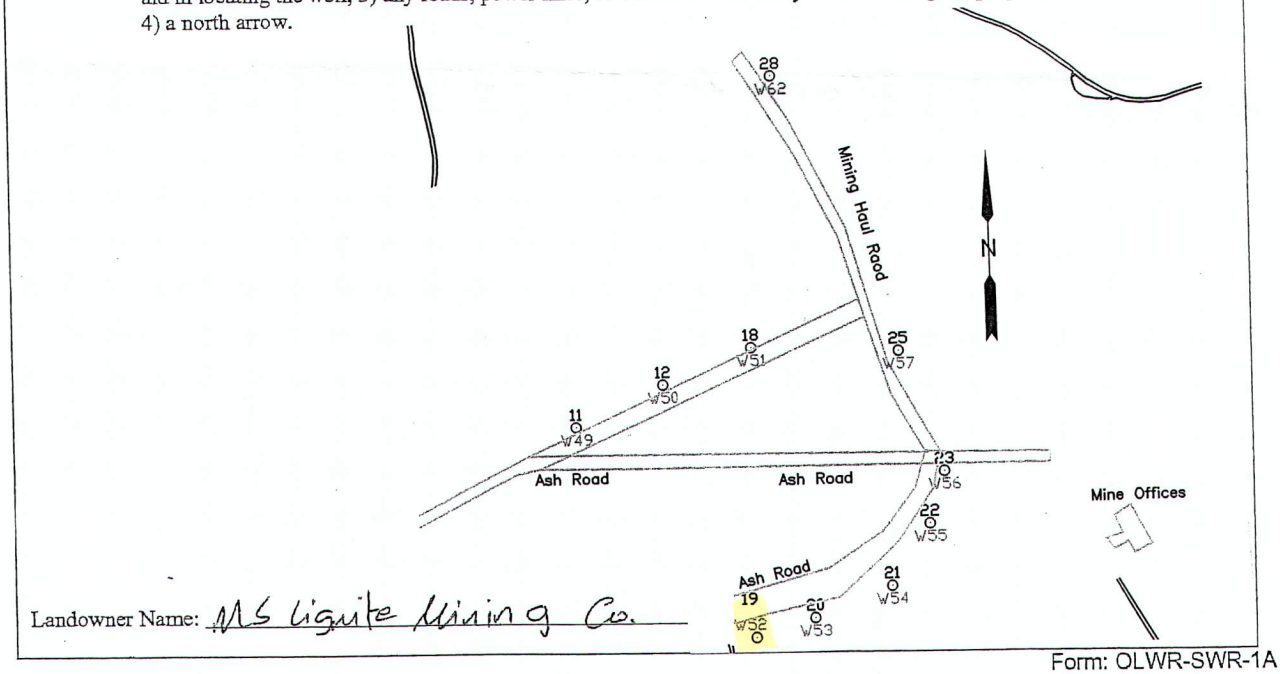
Ground Level

If more than one screen, show location of each 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) Ground Level	To (depth)
SAND	0	94
LIGNITE	94	98
CLAY	98	115
SAND	116	123
LIGNITE	123	125
SANDY CLAY	125	140
LIGNITE	140	143
CLAY	143	168
LIGNITE	168	174
CLAY	174	176
LIGNITE	176	181
SAND	181	200
LIGNITE	201	204
SAND	205	249
LIGNITE	250	256
SAND	257	300

Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well: 4) a north arrow.



Landowner Name: MS Lignite Mining Co.

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.

Randy Sellers MS Lic 0779 GM	6-15-07	Randy Sellers
Print Name of Responsible Licensee and License No.	**Date**	**Signature of Licensee**

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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: 4-30-07
Copy information from block on Part 1

For Office Use Only:
Aquifer:
Well #: D-162
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

Owner Name: MS Lignite Mining Co.
Mailing Address: 1000 McIntire Rd
Ackerman, MS 39735
City State Zip Code
Telephone No. (662) 387-5200

Well Location

Latitude: 33°22,48" Longitude: 89°14'03"
Method of Lat/Long (check one): Conventional Survey___, USGS quad___, Hand-held GPS___, (Survey-grade GPS)
SW ¼ NE ¼ Sec 34 T 18N R 10E
Distance Direction Nearest Town
2.5 Miles NW of CHESTER

Pump Type
Circle one

Air Lift	Jet	(Submersible)
Bucket	Piston	Turbine
Centrifugal	Rotary	Flowing Well

Other (specify):
Date Pump Installed: 5-25-07
Rated Pump Capacity: 7.5 Gallons Per Minute

Power Type
Circle one

Diesel Engine	Gasoline Engine	Natural Gas
(Electric Motor)	Hand	Tractor PTO
Windmill	Other (specify):	

Horse Power Rating of Motor: 5
Setting Depth: 294 feet
Number of Stages:

Pump Test Data

Date Well Tested: 5-25-07
Static Water Level (A): 210 Feet Below Land Surface
Pumping Water Level (B): 294 Feet Below Land Surface
Drawdown [(B) – (A)]: 84 Feet Below Land Surface
Test Pumping Rate: 3 Gallons Per Minute
Duration of Pump Test (minimum 4 hours): 4 hours

Method of Measuring Water Level
Circle one

Air Line (Electric Measuring Line) Steel Tape
Other (specify):

For flowing well, measured shut in head: ___ feet
Well yielded 3 GPM with a drawdown of 84 feet after 4 hours of pumping

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

RANDY SALERS MS LIC 0779 GM
Print Name of Pump Installer and License No. (if applicable)

Randy Salers
Signature of Pump Installer

Form: OLWR-SWR-1B

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