

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 #: NA
Driller: L.C. Livingston
Date drilling completed: 6-28-06

For Office Use Only:
Aquifer: _____
Well #: D-82
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>Mississippi Lignite Mining Co</u>	Latitude: <u>33° 22' 42"</u> Longitude: <u>89° 15' 24"</u>
Mailing Address: <u>1000 McTavie Road</u>	Method of Lat/Long (circle one): Conventional Survey,
<u>Ackerman, MS 39735</u>	USGS quad, Hand-held GPS, <u>Survey-grade GPS</u>
City State Zip Code	<u>N1E 1/4 SW 1/4 Sec 33 Twn 18N Rng 10E</u>
Telephone No. <u>(601) 387-5200</u>	Distance Direction Nearest Town
	<u>1.7 Miles NW of Chester</u>

Well / Borehole Data

Date drilling started: 6-19-06 Date drilling completed: 6-28-06 Hole depth: 218 Hole diameter: 10 inches

Location of the source of any surface water used for drilling: Little Bynny Creek

Method of dosing and volume of Chlorine used in drilling and development: None

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: Observation

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

Static Water Level: 118.9 feet above or below (circle one) land surface Date measured: 7-3-06

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

Well depth: 218 Well grouted to a depth of 5 feet Type of grout (circle one): Neat Cement Bentonite Mix JUL 12 2006

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

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

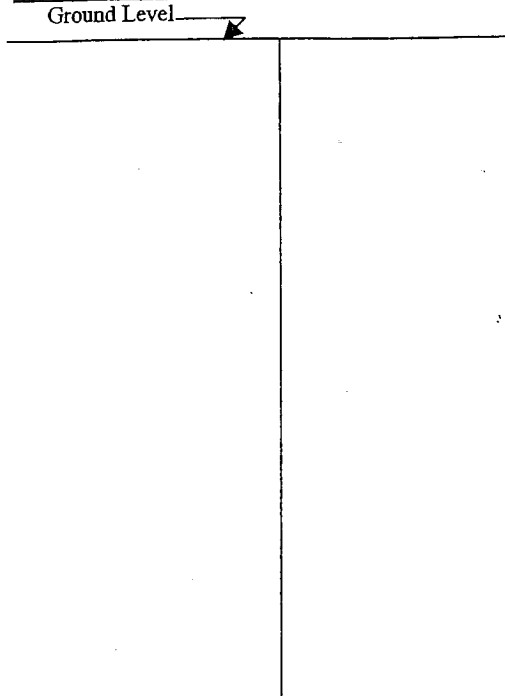
Other (describe): _____

Top of lap pipe or reduction in casing: _____ feet. *If telescoped or more than one screen, describe on next page*

D82

The sketch below only required for water wells

If well telescopes, show depths on sketch.

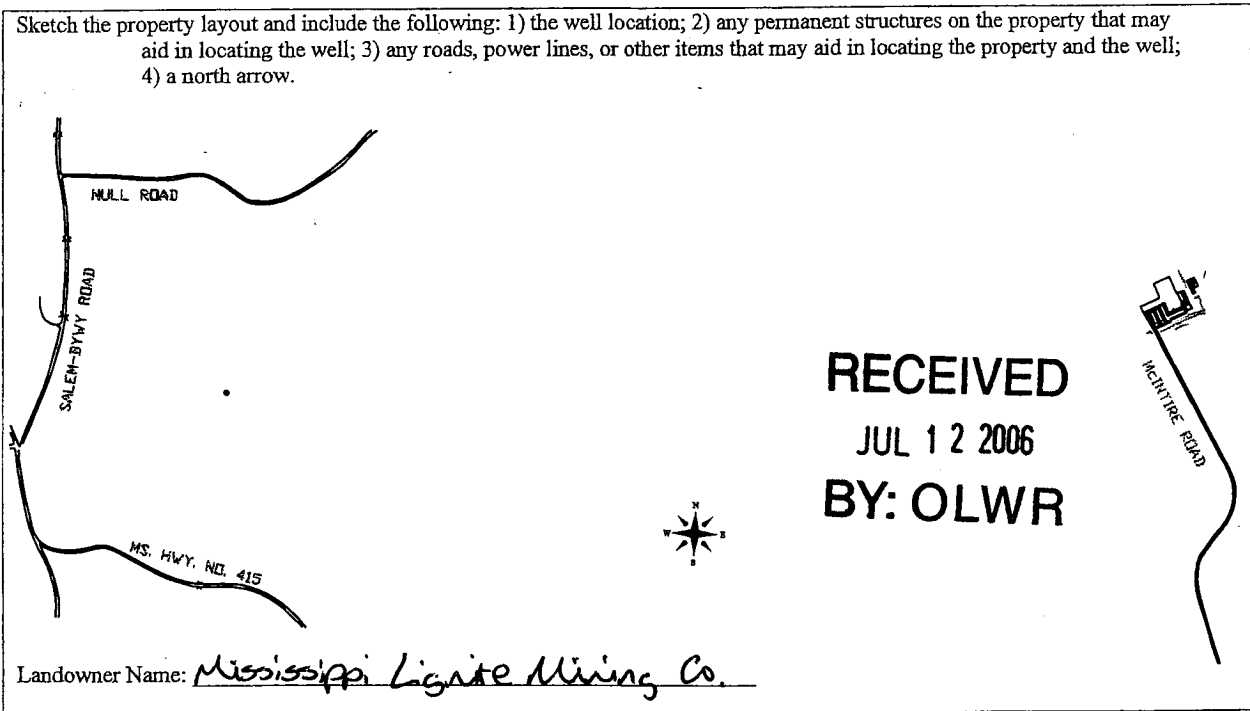


Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

Description of Formations Encountered	From (depth)	To (depth)
SAND	Ground Level	27
Lignite	27	29
SAND	29	60
Lignite	60	65
SAND	65	74
Lignite	74	76
CLAY	76	79
Lignite	79	83
SAND	83	120
Lignite	120	126
CLAY	126	150
SAND	150	160
Lignite	160	166
SAND	166	185
Lignite	185	190
SAND	190	208
CLAY	208	218
SAND	218	225
CLAY	225	228
Lignite	228	233

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

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.



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.

C. Steward Cox 0-0700 7/7/06 C. Steward Cox

Print Name of Responsible Licensee and License No. Date Signature of Licensee

LOG PARAMETERS

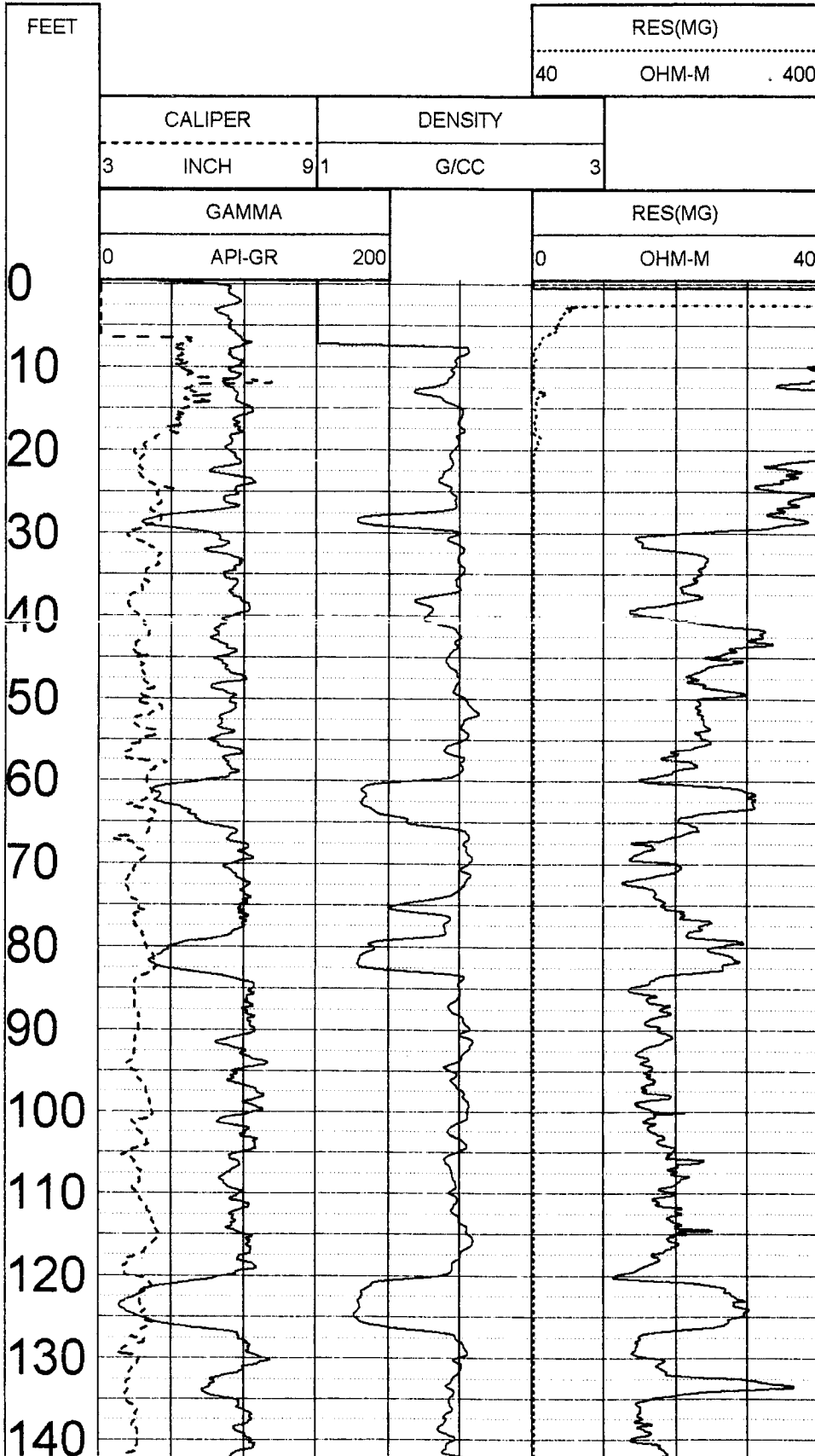
MATRIX DENSITY : 2.65

NEUTRON MATRIX : SANDSTONE

MAGNETIC DECL : 0

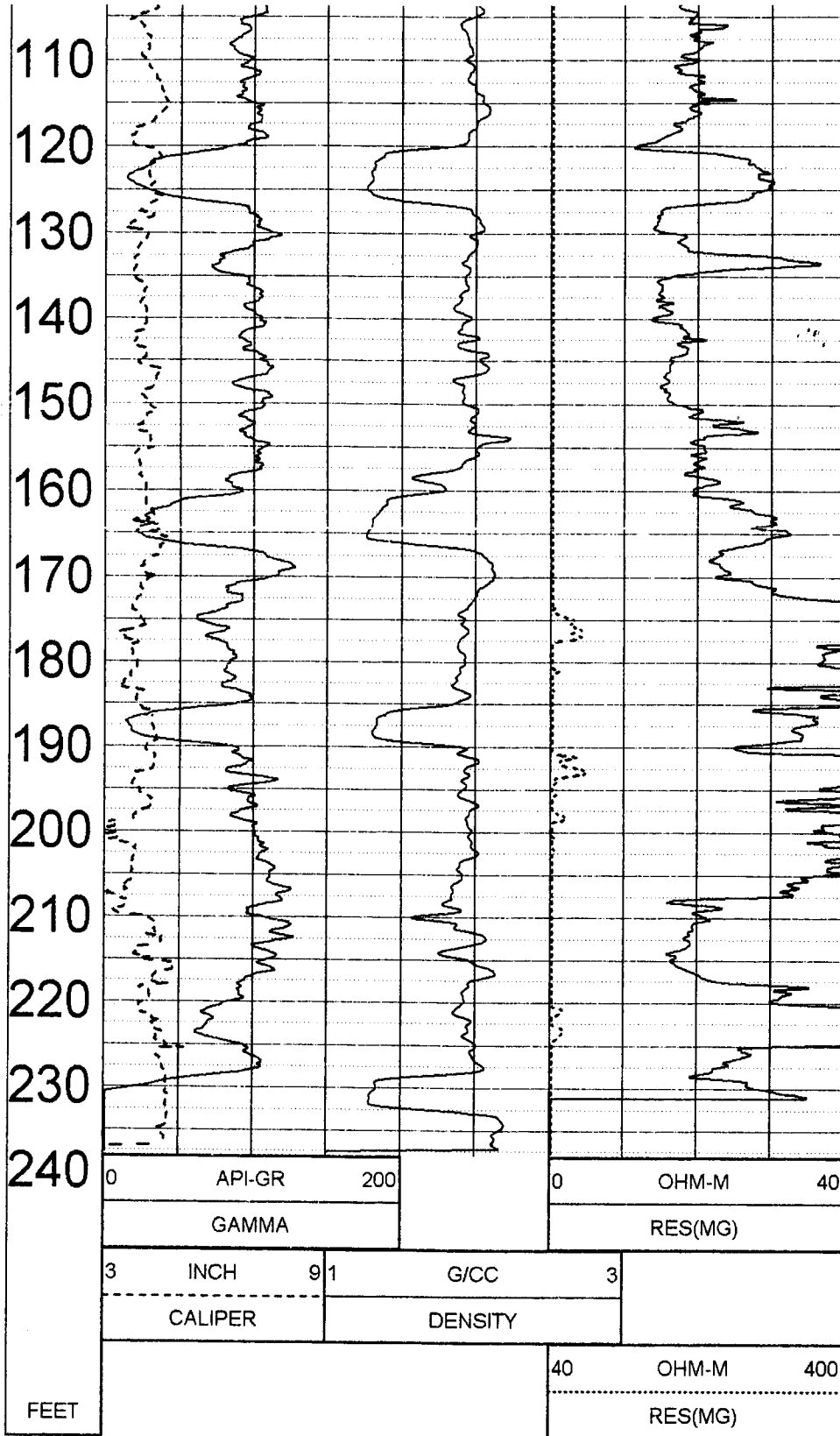
ELECT. CUTOFF : 2500

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INCH LOG, DENSITY CH 3776 06/19/06

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE
 MAGNETIC DECL : 0 ELECT. CUTOFF : 2500