

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-83
L. S. Elevation: _____
E-log #: _____

County: Choctaw
Permit #: NA
Driller: L. C. Livingston
Date drilling completed: 6-29-06

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' 44"</u> Longitude: <u>89° 15' 34"</u>
Mailing Address: <u>1000 McIvate Road</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
<u>Ackerman MS 39735</u>	NW 1/4 SW 1/4 Sec <u>33</u> Twn <u>18N</u> Rng <u>10E</u>
City State Zip Code	Distance Direction Nearest Town
Telephone No. <u>(601) 397 5200</u>	<u>1.9</u> Miles <u>NW</u> of <u>Chester</u>

Well / Borehole Data

Date drilling started: 6-9-06 Date drilling completed: 6-29-06 Hole depth: 215 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: Bleach

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: 106.3 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: 215 Well grouted to a depth of 5 feet Type of grout (circle one): Neat Cement Bentonite

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*

Form: OLWR-SWR-1A

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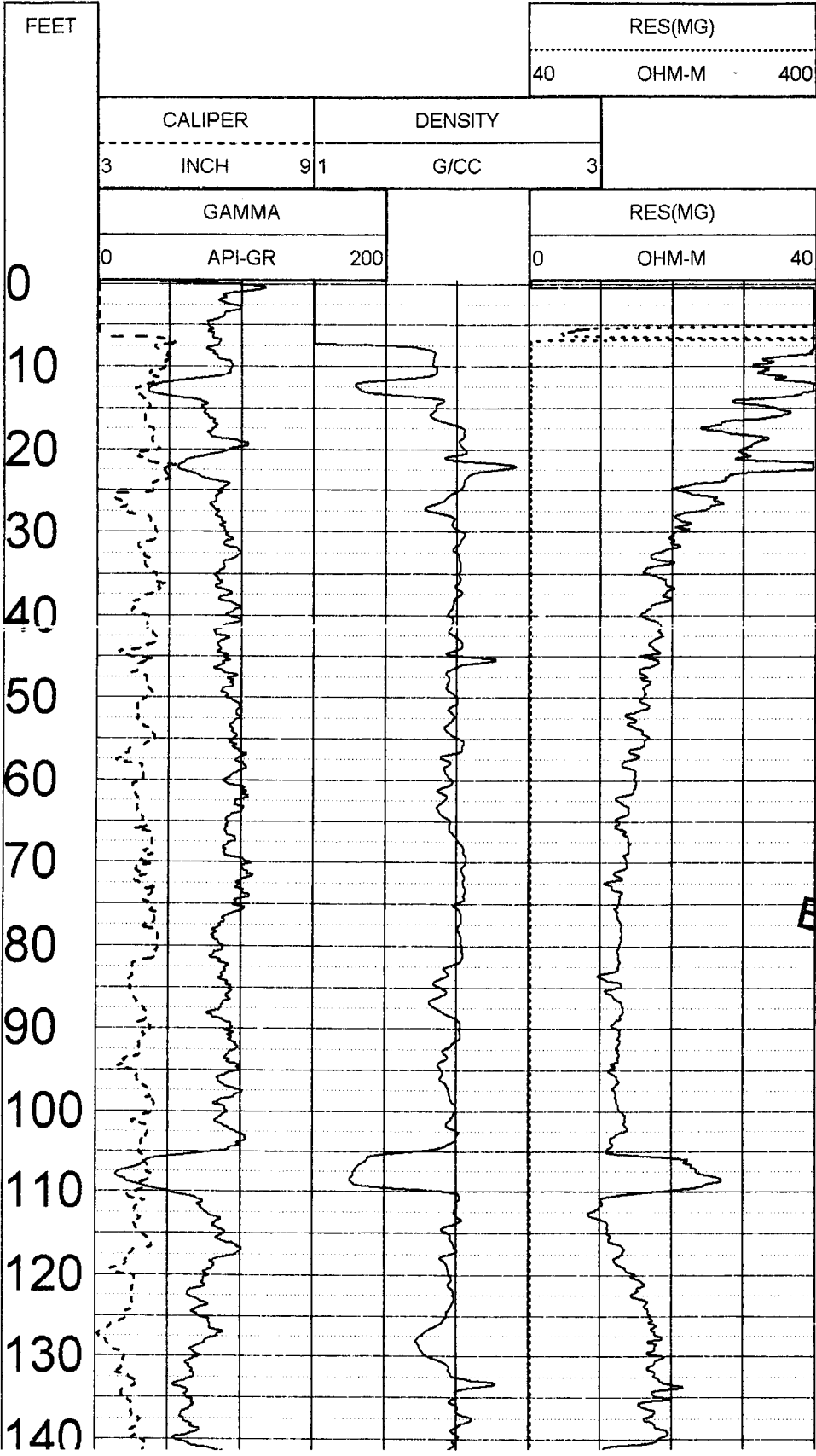
LOG PARAMETERS

MATRIX DENSITY : 2.65

NEUTRON MATRIX : SANDSTONE

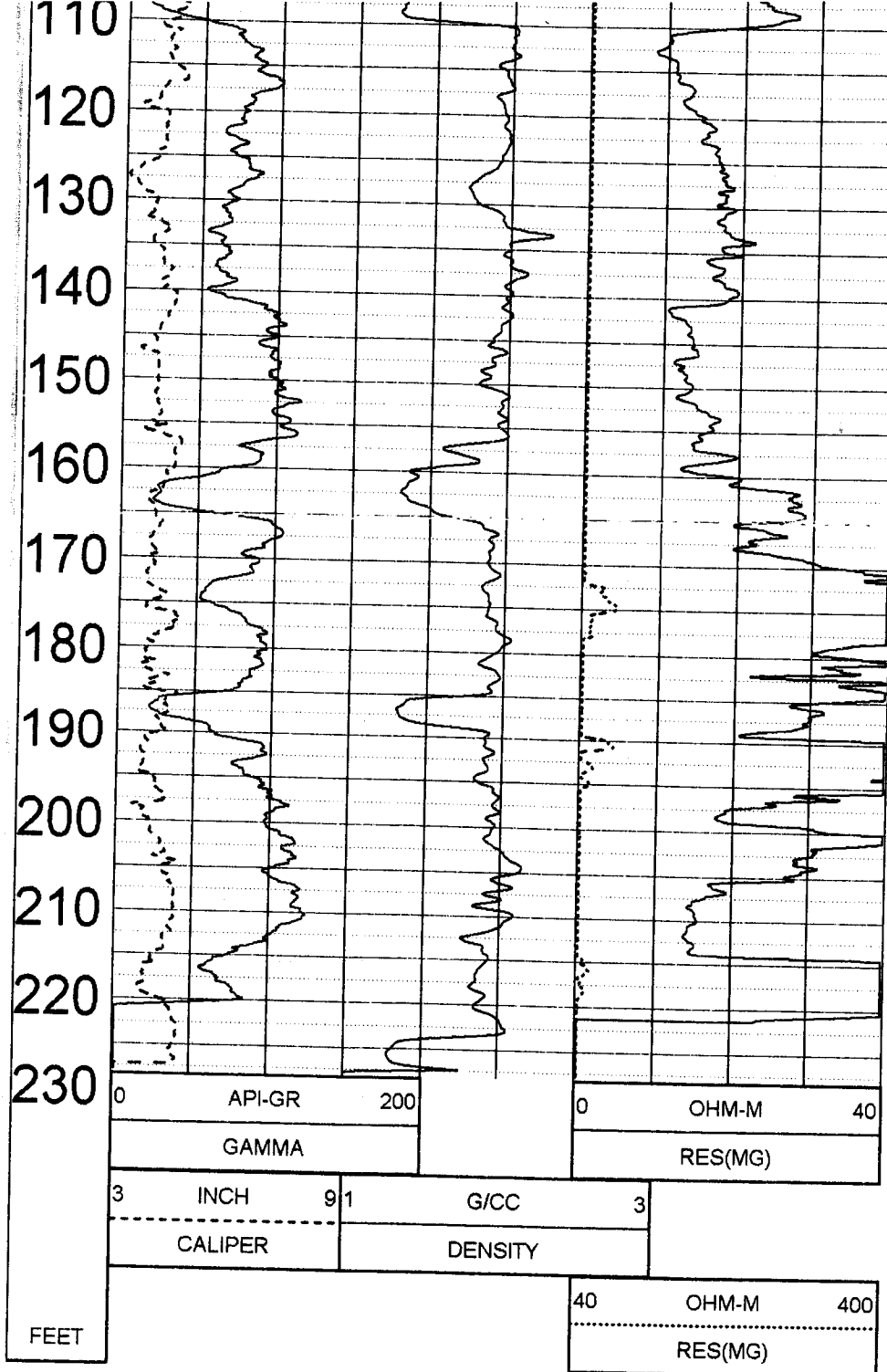
MAGNETIC DECL : 0

ELECT. CUTOFF : 250



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D-83



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▲ INCH LOG, DENSITY CH 3775 06/19/06 ▲

LOG PARAMETERS

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