

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: 6-26-06

For Office Use Only:
Aquifer: _____
Well #: D-84
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' 15"</u>
Mailing Address: <u>NOO McIntire Road</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
<u>Ackerman MS 39735</u> City State Zip Code	<u>NE 1/4 SW 1/4 Sec 33 Twn 18N Rng 10E</u>
Telephone No. <u>(601) 387-5200</u>	Distance <u>1.7</u> Miles Direction <u>NW</u> of Nearest Town <u>Chester</u>

Well / Borehole Data

Date drilling started: 6-19-06 Date drilling completed: 6-26-06 Hole depth: 220 Hole diameter: 10 inches

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: 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: 127.0 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: 220 Well grouted to a depth of 5 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*

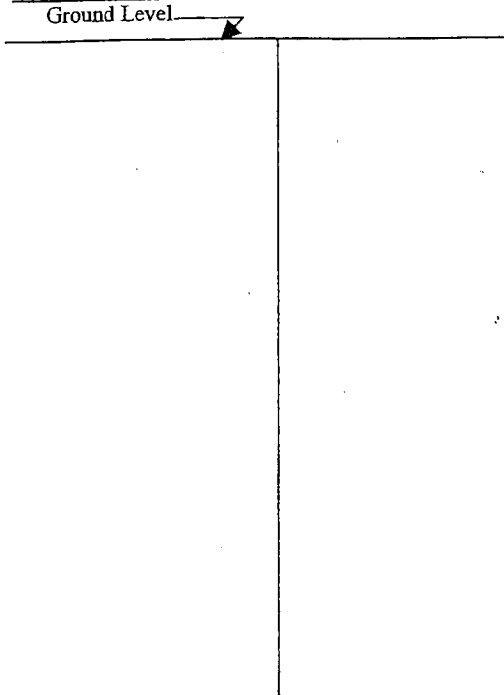
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D-84

The sketch below only required for water wells

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

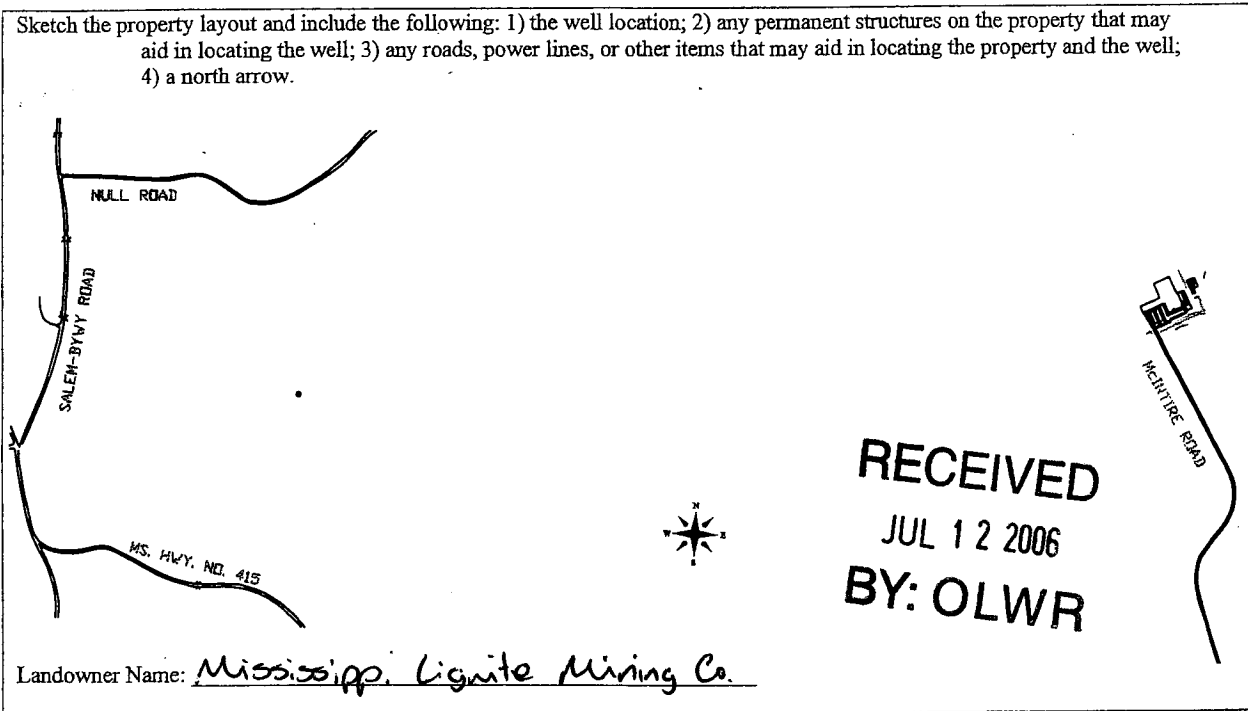
If well telescopes, show depths on sketch.



Description of Formations Encountered	From (depth)	To (depth)
SAND	Ground Level	19
Lignite	19	21
SAND	21	39
Lignite	39	42
CLAY	42	48
SAND	48	68
Lignite	68	75
CLAY	75	83
Lignite	83	85
CLAY	85	89
Lignite	89	93
CLAY	93	112
SAND	112	127
Lignite	127	133
CLAY	133	165
Lignite	165	171
SAND	171	188
Lignite	188	193
SAND	193	211
CLAY	211	226

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.



Landowner Name: Mississippi 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.

C. Holland Cox 0-0100 7/7/06
Print Name of Responsible Licensee and License No. Date

C. Holland Cox
Signature of Licensee

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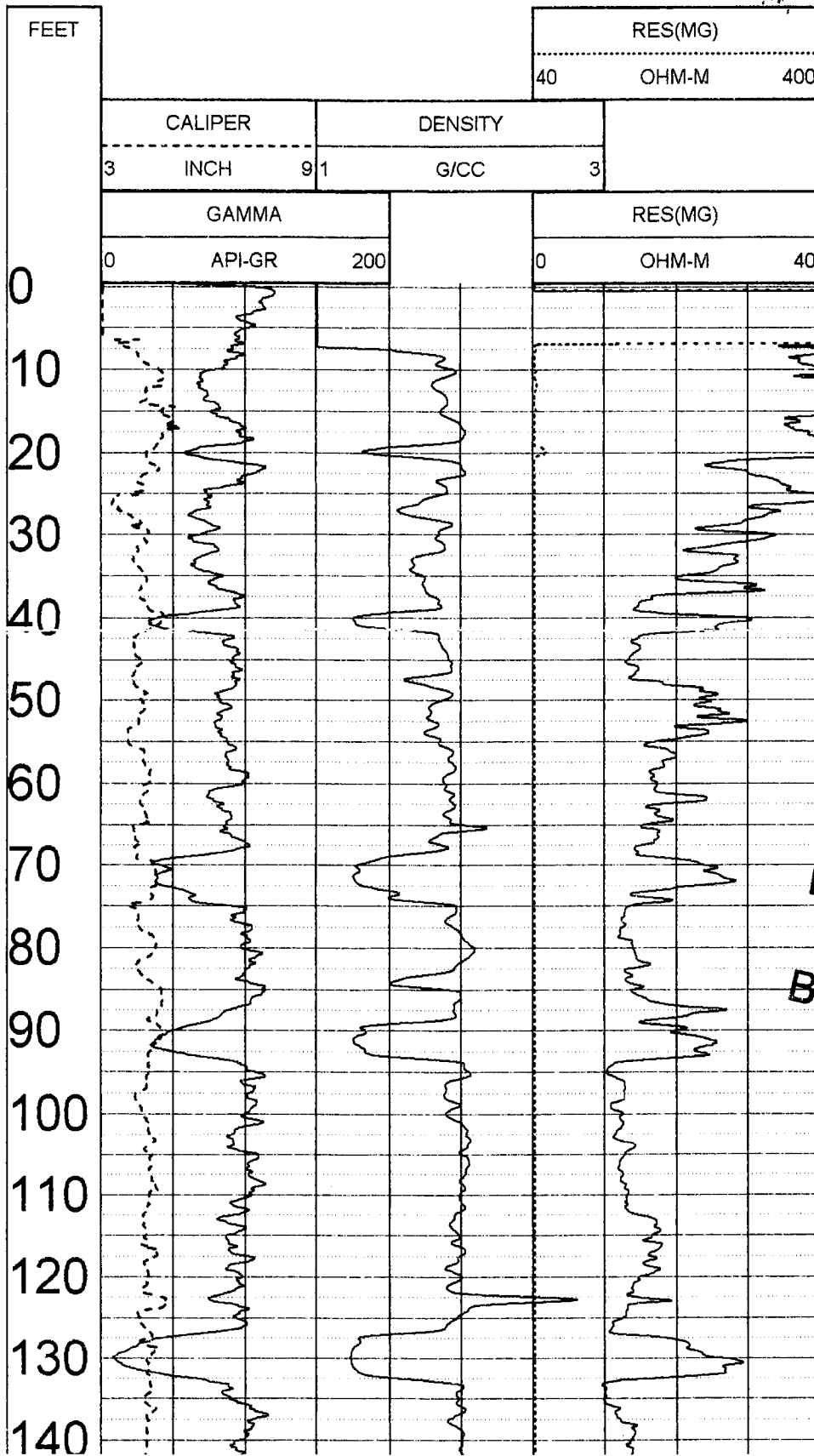
LOG PARAMETERS

MATRIX DENSITY : 2.65

NEUTRON MATRIX : SANDSTONE

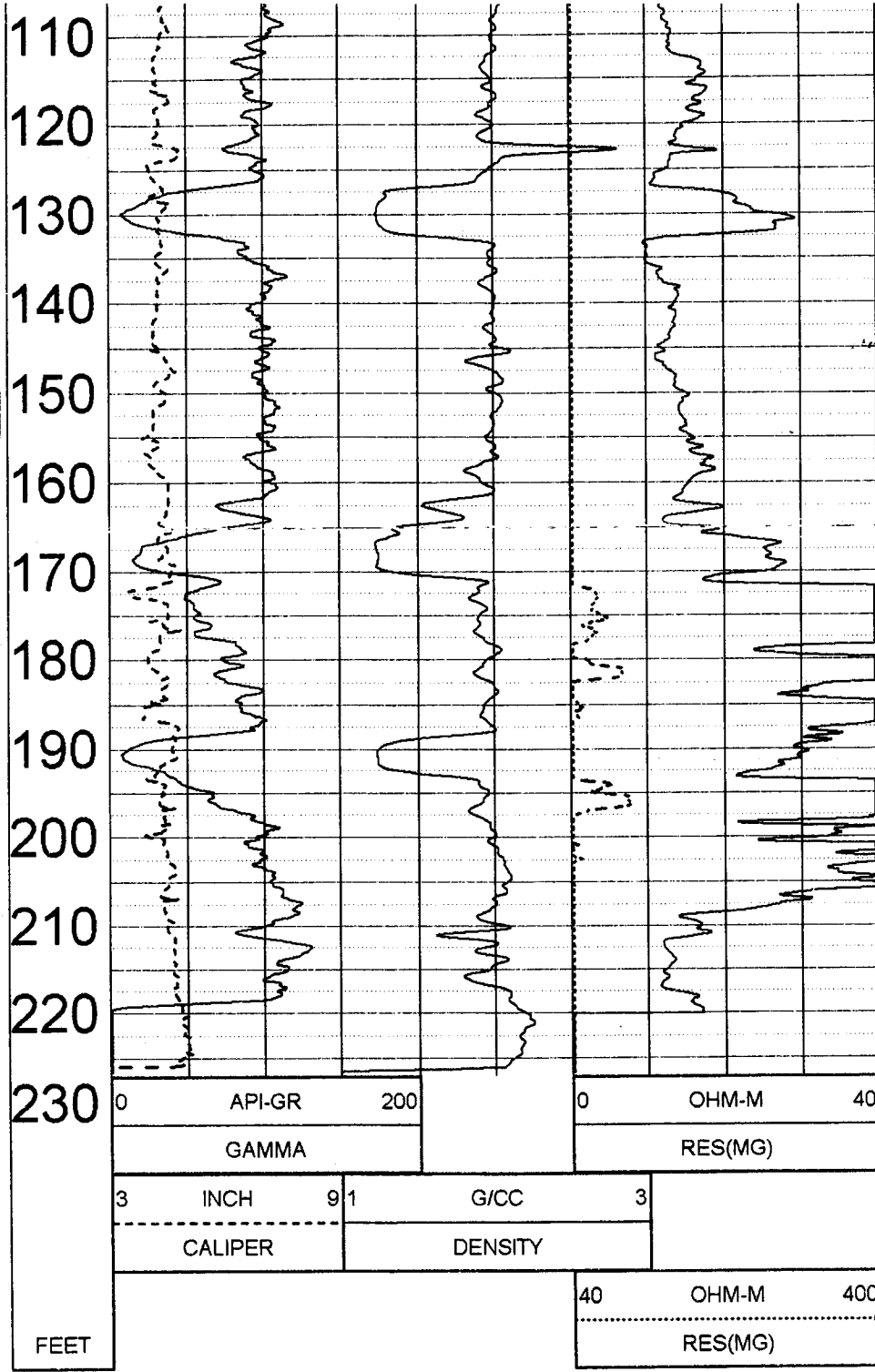
MAGNETIC DECL : 0

ELECT. CUTOFF : 250



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▲ INCH LOG, DENSITY CH 3777 06/19/06 ▲

LOG PARAMETERS

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