

STATE WELL REPORT

Part 1

Driller's Log

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 2309
Jackson, MS 39225-2309
(601)961-5210
(601)360-0535 (fax)

For Office Use Only:

Well #: E142
Aquifer: _____
E-Log #: _____

County: Desoto
Permit #: MS-GW-47169
Driller: Tommy Peacock
Date drilling completed: 6/8/13

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.

Well Owner Information (Landowner if borehole is not for a water well)	Well or Borehole Location
Owner Name: <u>The Graves Family</u>	Latitude: <u>34-53-02</u> Longitude: <u>90-15-18</u>
Mailing Address: <u>6400 Poichard Road</u>	Method of Lat/Long (check one): Conventional Survey _____, USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
<u>Tunica</u> MS <u>38676</u>	<u>SW</u> $\frac{1}{4}$ <u>NW</u> $\frac{1}{4}$, Sec <u>27</u> T <u>02S</u> R <u>10W</u>
City State Zip Code	<u>02S</u>
Telephone No. () _____	_____ Miles _____ of _____ (Distance) (Direction) (Nearest Town)

Well / Borehole Data

Date drilling started: 6/8/13 Date drilling completed: 6/8/13 Hole depth: 115' Hole diameter: 26"
Location of the source of any surface water used for drilling: ditch 1 mile from well location
Method of dosing and volume of Chlorine used in drilling and development: Chlorinated in tank
Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____
Name of organization running log(s): _____
Purpose of borehole (circle 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 (circle all applicable): Home Industrial Public Supply Irrigation Fish Culture
Other (describe): _____
If a flowing well, method of flow regulation: Valve _____ Other (describe) _____
Static Water Level: _____ feet [above or below] land surface Date measured: _____
(circle one)
Method of measurement (circle one): Steel tape Electric tape Air line Other (describe): _____
Well depth: 115 Well grouted to a depth of: 10 feet Type of grout (circle one): Neat Cement Bentonite Mix
Casing length: 75 feet Casing diameter: 16 inches Type of casing: PVC
Screen length: 40 feet Screen diameter: 16 inches Type of screen: PVC
Screen slot size: .50 inches Setting depth: From 75 feet to 115 feet
Type of completion (circle all applicable): Gravel packed Underreamed Open hole Natural Development
Other (describe): _____

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If telescoped or more than one screen, describe on next page

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The sketch below only required for water wells

If well telescopes, show depths on sketch.

Ground Level		
0		Top soil & clay
15	15'	
15		clay & sand mix
35	20'	
35		medium sand & clay mix
45	10'	
45		5' med sand
55	10'	
55		5' coarse sand & gravel
65	10'	" " " "
65		
95	30'	coarse sand
105	10'	6' coarse sand 3' medium 1' Fine
105		
115	10'	4' Fine sand
		6' medium coarse

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)
Top soil & clay	Ground level	15
clay & sand mix	15	35
medium sand & clay mix	35	45
5' med sand & 5' coarse sand & gravel	45	55
" " " "	55	65
coarse sand	65	95
6' coarse sand 3' medium 1' Fine	95	105
4' Fine sand 6' medium coarse	105	115

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) north arrow

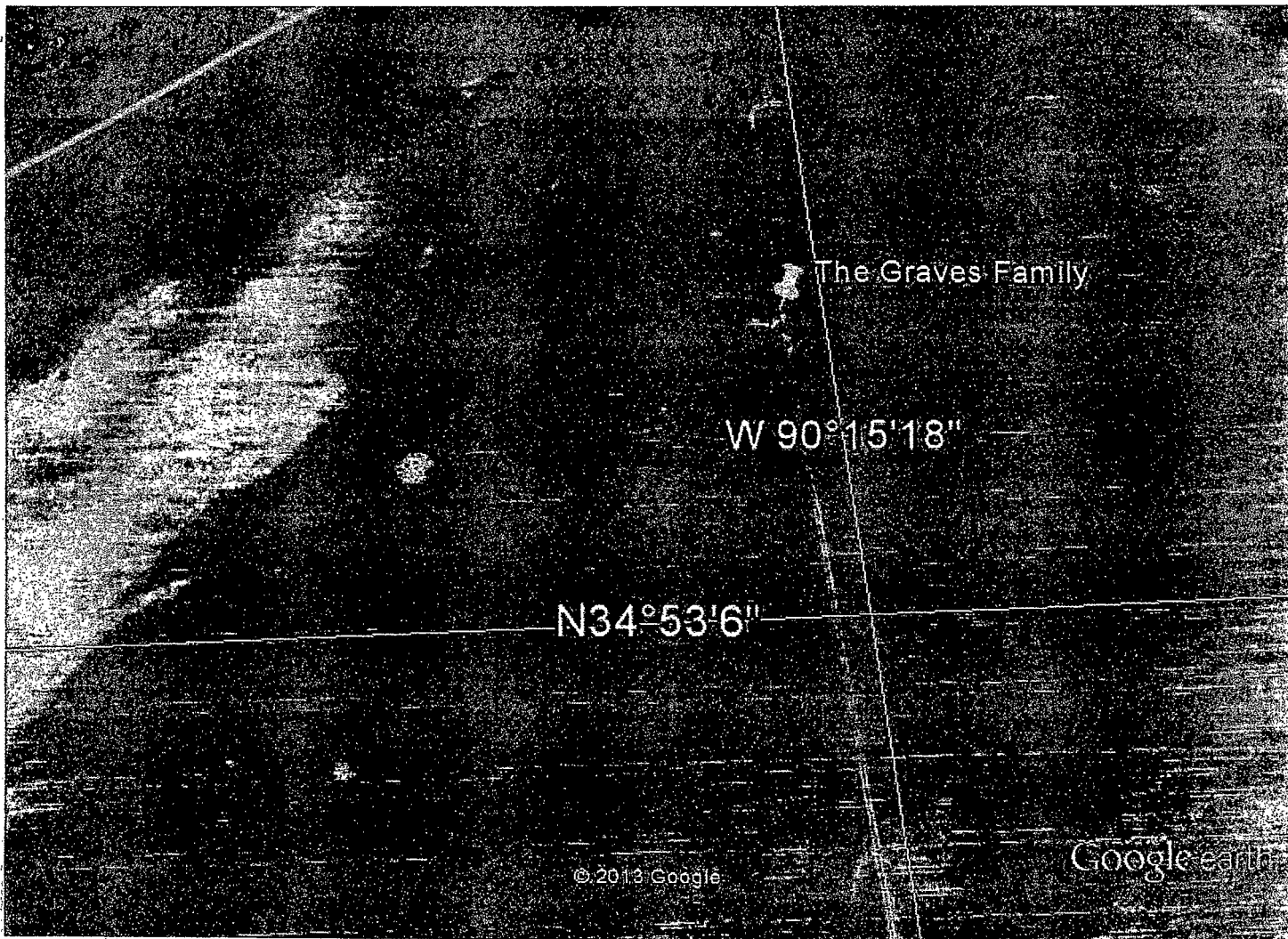
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Landowner Name: _____

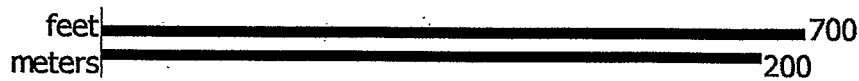
I HEREBY CERTIFY that the well/borehole was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations, if applicable, and state laws.

Tommy Peacock Sr #3409 6-24-13 Tommy Peacock Sr
 Print Name of Responsible Licensee and License No. Date Signature of Licensee

E142



Google earth



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E142

STATE OF MISSISSIPPI

Department of Environmental Quality

Office of Land and Water Resources

P. O. Box 2309

Jackson, Mississippi 39225

PERMIT

TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS

This permit is issued to the landowner named below in accordance with the provisions of the Mississippi Water Laws, Mississippi Code Sections 51-3-1, et seq. (1972, as amended), and the regulations and standards as promulgated thereunder. Whether or not specifically named in this permit or in the applications for this permit, anyone using water from the diversion/withdrawal point described below shall do so in compliance with the provisions of this permit. Neither this permit, nor any authority conferred hereby, may be sold, conveyed, encumbered, assigned, or otherwise aliened, for any period of time or under any conditions whatsoever. This permit may not be modified, transferred or revoked without prior action by the Permit Board. Any attempts to modify, transfer or revoke this permit, or to take any other action on this permit, shall be invalid and unenforceable and may result in immediate revocation or suspension of this permit. The holder of this permit shall at all times be responsible for adherence to the terms and conditions of this permit. No agreement between the permit holder and any other party shall affect the obligations and liabilities of the permit holder. Water use under this permit is allowed only when the streamflow, lake level, elevation, or static groundwater level (whichever, if any, is applicable) is above the established minimum, pursuant to Mississippi Code Section 51-3-7. Authorization is hereby granted to divert/withdraw water for the beneficial use designated herein, and for no other purpose, subject to the following terms, conditions, and limitations:

Permit Number: MS-GW-47169

Landowner Name: THE GRAVES FAMILY

Landowner Address: 6400 PRICHARD ROAD

TUNICA

MS 38676

Source Of Water: MISSISSIPPI RIVER VALLEY ALLOUVIAL AQUIFER

Beneficial Use: IRRIGATION

Diversion/Withdrawal Location: SW 1/4 of the NW 1/4

Section: 27 Township: 02S

Range: 10W

County: DESOTO

Quad: HORSESHOE LAKE

Maximum Volume: 146 Acre-Feet/Year equivalent to .1303 Million Gallons/Day

Maximum Rate: 2000 Gallons/Minute

Applicant Name: GRAVES, JOE

Applicant Address: 6400 PRICHARD ROAD

TUNICA

MS 38676

Date Permit Issued: 04/15/2013

Date Permit Expires: 04/15/2018

Date Permit Modified:

Date Permit Re-issued:

This permit shall be deemed null and void if construction has not begun within one (1) year of permit issue date

SPECIAL TERMS AND CONDITIONS: SEE ATTACHMENT 1, WHICH IS HEREBY DECLARED TO BE PART OF THIS PERMIT.

SPECIAL TERMS AND CONDITIONS 2:

Richard B. Ingram RECEIVED

Richard B. Ingram
Office Director

JUL 01 2013

BY: OLWR