

State Well Report Part I - Driller's Log

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 2309
Jackson, MS 39225
(601)961-5210
(601)961-5228 (fax)

County Bolivar
 Permit #: GW-46528 ✓
 Driller: Michael Wells
 Date drilling completed: 9-27-12

For Office Use Only:
 Aquifer _____
 Well # G271
 I. 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 <i>(Landowner if borehole is not for a water well)</i>	Well or Borehole Location
Owner Name: <u>Pemble Farm Partnership II</u>	Latitude: <u>33° 51' 54"</u> Longitude: <u>90° 47' 20"</u>
Mailing Address: <u>P.O. Box 422</u>	Method of Lat/Long (circle one): Conventional Survey
<u>Merigold</u> MS <u>38759</u>	USGS quad, <u>Hand-held GPS</u> Survey-grade GPS ✓
City State Zip Code	<u>SE 1/4 SW 1/4</u> Sec <u>02</u> ✓ Twn <u>23 N</u> Rng <u>06 W</u>
Telephone No. <u>(662) 721-7734</u>	Distance Direction Nearest Town
	Miles _____ of _____
	<u>#16 94</u> #1

Well / Borehole Data

Date drilling started: 9-27-12 Date drilling completed: 9-27-12 Hole depth: 126' Hole diameter: 26"

Location of the source of any surface water used for drilling: near by well

Method of dosing and volume of Chlorine used in drilling and development: _____

Logs run (circle all applicable): ~~No log run~~ Electric _____ Gamma Ray _____ Density _____ Sonic _____ Neutron _____ Other: _____

Name of organization running log(s): _____

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: _____

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

Static Water Level: 46 feet above or below (circle one) land surface Date measured: 9-27-12

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

Well depth: 126 ft Well grouted to a depth of 10 feet Type of grout (circle one): ~~Neat Cement~~ Bentonite Mix

Casing length: 76 ft feet Casing diameter: 16 inches Type of casing: PVC

Screen length: 50 ft feet Screen diameter: 16 inches Type of screen: PVC

Screen slot size: .050 inches Setting depth: From _____ feet to _____ 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: 119 feet ***If telescoped or more than one screen, describe on next page***

Form: OLWR-SWR-1A (04/08)

Well only (Replacement)

G271

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

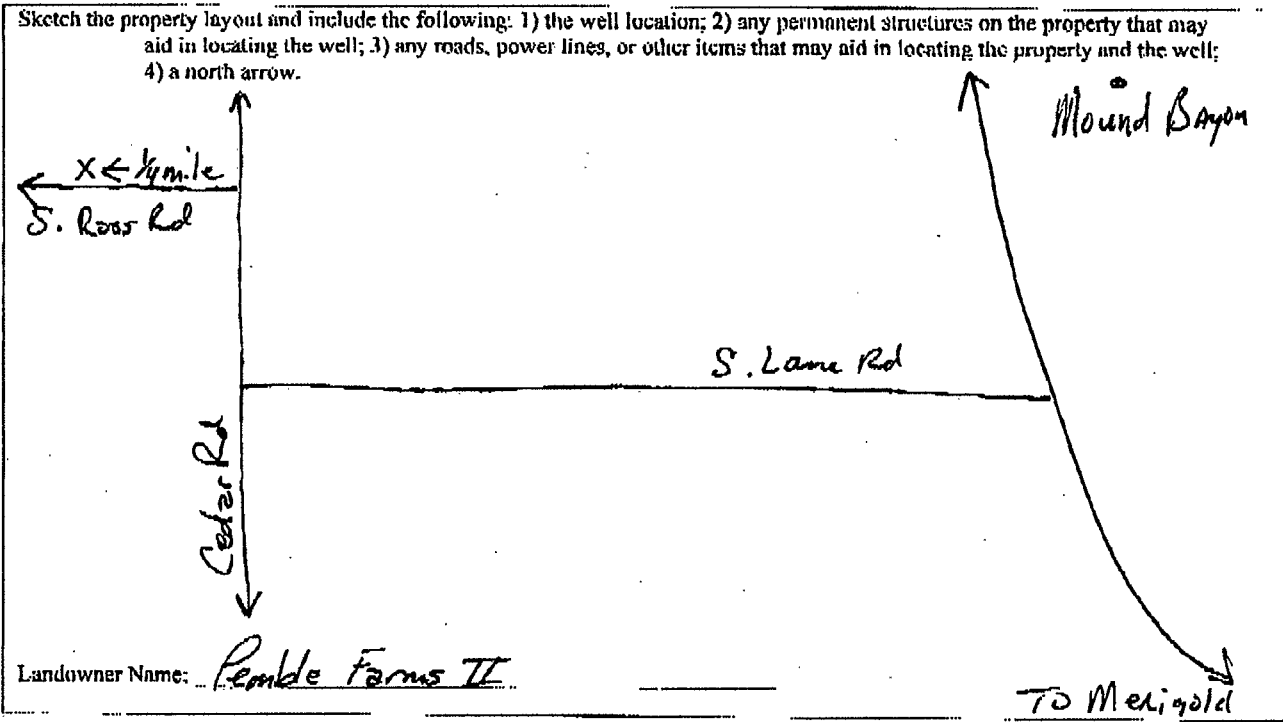
If well telescopes, show depths on sketch

Ground Level →

[Large empty rectangular area for sketching]

Description of Formations Encountered	From (depth)	To (depth)
CLAY	Ground Level	27
FINE Sand	27	35
Medium Sand : pea gravel	35	51
Medium/Coarse Sand : pea gravel	51	70
Medium/Coarse Sand : gravel	70	86
Coarse Sand : gravel	86	111
Medium/Coarse Sand : pea gravel	111	118
Coarse Sand : gravel	118	126

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



Form: OLWR-SWR-1A (04/08)

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.

Clayton Miller 0-703 9-28-12 Clayton Miller

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



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Executive Director
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www.ymd.org

Yazoo Mississippi Delta Joint Water Management District

G271

August 23, 2012

Pemle Farms II
PO Box 428
Merigold MS 38759

RE: Well Construction / Authorization to drill

Permit No: GW-46528 (Replacement Well for GW-09169)

Dear Pemle Farms II,

This authorization letter is for the construction of a new well that is to be drilled in the Mississippi River Valley Alluvial Aquifer. Your application has been received and is currently being processed.

Location: SE1/4 of the SW1/4 Section 02 Township 23N Range 06W County Hollis
Latitude: 33 51 54 Longitude: 90 47 20

A copy of this notice or a water use permit must be attached to the State Well Report submitted by your driller. This report is a requirement of the State Well Drillers Regulation. A copy of this report must be mail or faxed to YMD Joint Water Management District.

All applications must meet the Mississippi Department of Environmental Quality rules and regulations. If no adverse comments are received the application will be presented to the Mississippi Department of Environmental Quality State Permit Board for approval.

If you have any questions please call YMD at 662/686-7712.

Sincerely,

Dillard Melton Jr.
Permitting Director