

County: Issaquena
 Permit OLW-43828
 Driller: Charles M. Nichols
 Date drilling completed: 5-27-11

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 #: A182
 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>Herman + Herman Farms</u>	Latitude: <u>32° 58' 29.4" N</u> Longitude: <u>90° 57' 33.3" W</u>
Mailing Address: <u>665 Herman Rd</u>	Method of Lat/Long (circle one): <u>18</u> Conventional Survey, <u>56 57</u>
<u>Rolling Fork MS, 39159</u>	USGS quad, <u>Hand-held GPS</u> Survey-grade GPS
City State Zip Code	<u>NE 1/4 SE 1/4 Sec 18 Twn 13N Rng 7W</u>
Telephone No. () _____	Distance Direction Nearest Town <u>2</u> Miles <u>North</u> of <u>Grace</u>

Well / Borehole Data

Date drilling started: 5-27-11 Date drilling completed: 5-27-11 Hole depth: 111 Hole diameter: 26

Location of the source of any surface water used for drilling: Fish Pond

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

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: 19 feet above or below (circle one) land surface Date measured: _____

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

Well depth: 110 Well grouted to a depth of 10 feet Type of grout (circle one): Near Cement Bentonite Mix

Casing length: 70 feet Casing diameter: 16 inches Type of casing: plc

Screen length: 40 feet Screen diameter: 16 inches Type of screen: plc

Screen slot size: .035 inches Setting depth: From 70 feet to 110 feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development

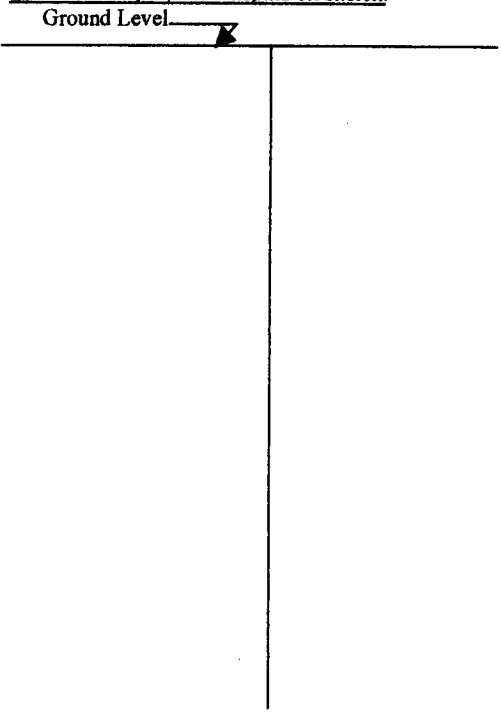
Other (describe): _____

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

The sketch below only required for water wells

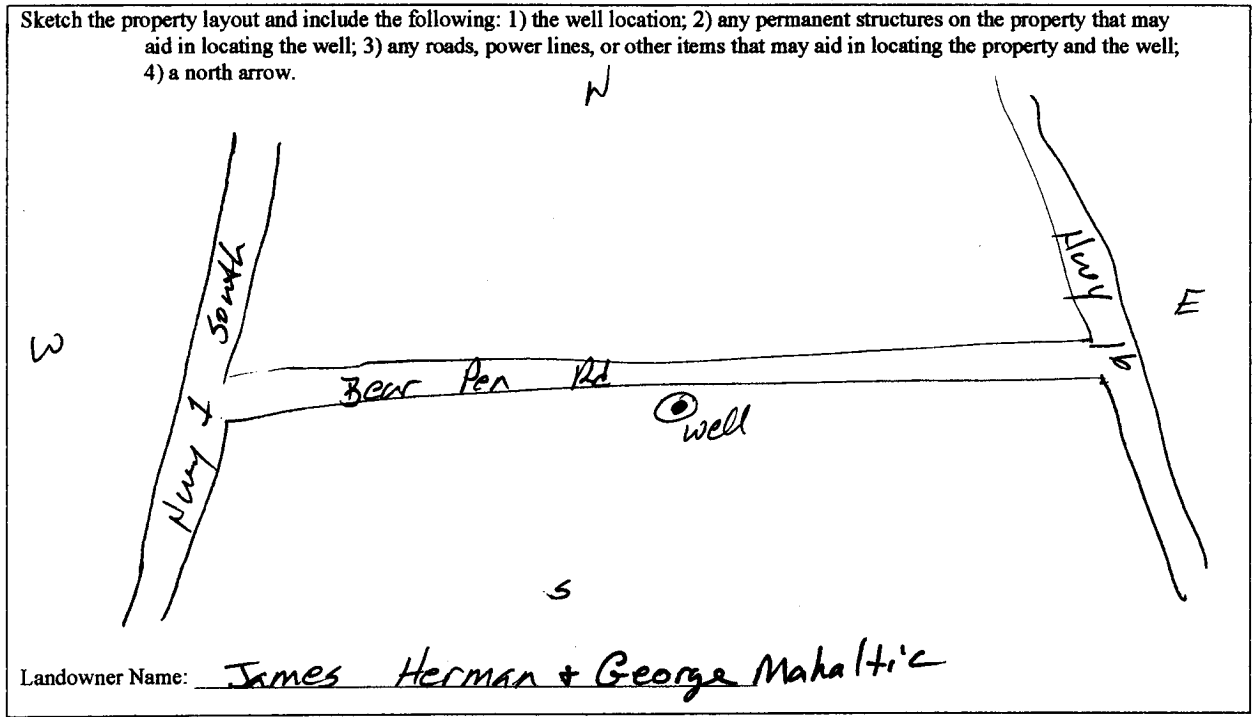
Description of formations encountered must be provided for all wells and boreholes, unless specifically exempted by regulations

If well telescopes, show depths on sketch.



Description of Formations Encountered	From (depth)	To (depth)
Clay	Ground Level	30
fine sand	30	60
course sand & gravel	60	110
med sand	110	110

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



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.

Charles M. Nichols 0-0667 12-23-11
Print Name of Responsible Licensee and License No. Date

Charles M. Nichols
Signature of Licensee

STATE WELL REPORT

Part 2

Pump Installer's Completion Report
 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: Issaquena
 Permit #: GW-43828
 Driller: Charles M. Nichols
 Date completed: 5-27-11
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: A182
 Elevation: _____

This part of the report must be completed by a licensed water well contractor or a licensed pump installer. A copy of Part 1 of the report must be attached and both parts filed with the Department at the above address within 30 days of well completion.

Well Owner Information	Well Location
Owner Name: <u>Herman + Herman Farms</u>	Latitude: <u>32° 58.244' N</u> Longitude: <u>90° 57.383' W</u>
Mailing Address: <u>665 Herman Rd</u>	Method of Lat/Long (check one): Conventional Survey <input type="checkbox"/> ¹⁸ ⁵⁶ ⁵⁷
<u>Rolling Fork MS, 39159</u>	USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____
City State Zip Code	<u>NE 1/4 SE 1/4 Sec 18 T13N R 7W</u>
Telephone No. () _____	Distance Direction Nearest Town
	<u>2 Miles North of Grace</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input type="checkbox"/> <u>Submersible</u> <input checked="" type="checkbox"/>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston Turbine	<u>Electric Motor</u> <input checked="" type="checkbox"/> Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): <u>Customers pump</u>	Horse Power Rating of Motor: <u>30</u>
Date Pump Installed: <u>5-27-11</u>	Setting Depth: <u>60</u> feet
Rated Pump Capacity: <u>1000</u> Gallons Per Minute	Number of Stages: <u>1</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: _____	Air Line Electric Measuring Line <u>Steel Tape</u> <input checked="" type="checkbox"/>
Static Water Level (A): <u>19</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): _____ Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: _____ Feet Below Land Surface	Well yielded _____ GPM with a drawdown of _____ feet after _____ hours of pumping
Test Pumping Rate: _____ Gallons Per Minute	
Duration of Pump Test (minimum 4 hours): _____ hours	

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

Charles M. Nichols 0-0667 Charles M. Nichols
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer



Google earth

feet 4000
 km 1



GW - ~~43828~~ OK

RECEIVED

APR 21 2014

BY: OLWR