

County: Sunflower
 Permit #: GW-43656 ✓
 Irrigation Equipment
 Driller: _____
 Date drilling completed: 5-12-10

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
 (801)961- 5210
 (601)961- 5228 (fax)

For Office Use Only:
 Aquifer: M137
 Well #: _____
 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>Heathman Plantation</u>	Latitude: <u>33° 27' 03.7"</u> Longitude: <u>90° 41' 29.0"</u>
Mailing Address: <u>65 Holly Ridge Rd.</u>	Method of Lat/Long (circle one): Conventional Survey, _____
<u>Indianola Ms. 38751</u> City State Zip Code	USGS quad, <u>Hand-held GPS</u> Survey-grade GPS _____
Telephone No. <u>662-887-3821</u>	<u>NW 1/4 SW 1/4 Sec 35 Twn 19N Rng 5W</u>
	Distance Direction Nearest Town <u>1</u> Miles <u>W</u> of <u>Indianola</u>

Well / Borehole Data

Date drilling started: 5-12-10 Date drilling completed: 5-12-10 Hole depth: 127 Hole diameter: 24"

Location of the source of any surface water used for drilling: Surface Water

Method of dosing and volume of Chlorine used in drilling and development: 50 PPM

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: 34 feet above or below (circle one) land surface Date measured: 5-13-10

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

Well depth: 127 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 87 feet Casing diameter: 16 inches Type of casing: PVC

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

Screen slot size: .050 inches Setting depth: From 88 feet to 127 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

If well telescopes, show depths on sketch.

Ground Level →

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

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

m137

Description of Formations Encountered	From (depth)	To (depth)
Clay	Ground Level	28
Fine Sand	29	38
Fine Sand + Gravel	39	59
Medium Sand + Gravel	60	127

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: Heathman Plantation

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.

Patrick M. Chism 0695

Print Name of Responsible Licensee and License No. Date

Signature of Licensee

County: Sunflower
Permit #: _____
Irrigation Equipment
Driller: _____
Date completed: 5-12-10
Copy information from back on Part 1

STATE WELL REPORT

Part 2

Pump Installer's Completion Report
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)

m137

For Office Use Only:
Aquifer: _____
Well #: _____
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>Heathman Plantation</u>		Latitude: _____	Longitude: _____
Mailing Address: <u>65 Holly Ridge Rd</u>		Method of Lat/Long (check one): Conventional Survey _____	
		USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____	
<u>Indianola Ms. 38751</u>		<u>NE 1/4 SE 1/4 Sec 34 T19N R 5W</u>	
City State Zip Code		Distance _____ Miles Direction _____ Nearest Town/	
Telephone No. () _____		<u>W of Indianola</u>	

Pump Type Circle one	Power Type Circle one
<input type="checkbox"/> Air Lift <input type="checkbox"/> Bucket <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Diesel Engine <input checked="" type="checkbox"/> Electric Motor <input type="checkbox"/> Windmill
<input type="checkbox"/> Jet <input type="checkbox"/> Piston <input type="checkbox"/> Rotary	<input type="checkbox"/> Gasoline Engine <input checked="" type="checkbox"/> Hand <input type="checkbox"/> Other (specify): _____
<input type="checkbox"/> Submersible <input checked="" type="checkbox"/> Turbine <input type="checkbox"/> Flowing Well	<input type="checkbox"/> Natural Gas <input type="checkbox"/> Tractor PTO
Date Pump Installed: <u>5-13-10</u>	Horse Power Rating of Motor: <u>40</u>
Rated Pump Capacity: <u>1600±</u> Gallons Per Minute	Setting Depth: <u>60</u> feet
	Number of Stages: <u>2</u>

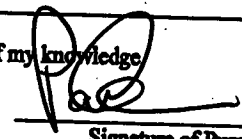
Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: _____	<input type="checkbox"/> Air Line <input type="checkbox"/> Electric Measuring Line <input type="checkbox"/> Steel Tape
Static Water Level (A): _____ Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): _____ 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	

This is for (circle one): New Well Replacement of Existing Pump Repair of Existing Pump

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

Patrick M. Chism 0695

Print Name of Pump Installer and License No. (if applicable)



Signature of Pump Installer