

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

County: Issaquena  
Permit #: GW-44936  
Irrigation Equipment  
Driller: \_\_\_\_\_  
Date drilling completed: 4-25-11

For Office Use Only:  
Aquifer: A 146  
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>Carter Brothers Inc.</u>	Latitude: <u>32° 57' 28.7"</u> Longitude: <u>90° 55' 25.1"</u>
Mailing Address: <u>P.O. Box 458</u>	Method of Lat/Long (circle one): Conventional Survey, _____ USGS quad, <u>Hand-held GPS</u> Survey-grade GPS _____
<u>Rolling Fork Ms. 39159</u>	<u>NE</u> 1/4 <u>NE</u> 1/4 Sec <u>21</u> Twn <u>13N</u> Rng <u>7W</u> <u>SE</u> <u>NW</u>
City State Zip Code	Distance Direction Nearest Town <u>4</u> Miles <u>NW</u> of <u>Rolling Fork</u>
Telephone No. ( ) _____	

**Well / Borehole Data**

Date drilling started: 4-25-11 Date drilling completed: 4-25-11 Hole depth: 116 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: 13 feet above or below (circle one) land surface Date measured: 4-26-11

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

Well depth: 116 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 26<sup>64</sup> 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 684 feet to 104 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  $\rightarrow$

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)
Clay	Ground Level	21
Fine Sand + Gravel	22	38
Medium Sand	39	49
Medium Sand + Gravel	50	60
Medium Sand	61	71
Medium Sand + Gravel	72	104
Clay	105	115

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

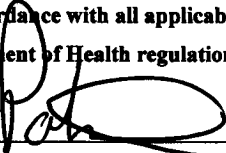
Sketch the property layout and include the following: 1) the well location; 2) any permanent structures on the property that may aid in locating the well; 3) any roads, power lines, or other items that may aid in locating the property and the well; 4) a north arrow.

Landowner Name: Carter Brothers

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

GW44936

County: Issaquena  
 Permit #: GW-03631  
 Irrigation Equipment  
 Driller: \_\_\_\_\_  
 Date completed: 4-25-11  
*Copy information from block 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)

**For Office Use Only:**  
 Aquifer: \_\_\_\_\_  
 Well #: A146  
 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>Carter Brothers Inc.</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>P.O. Box 458</u>	Method of Lat/Long (check one): Conventional Survey _____
<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 NE 1/4 Sec 21 T 13N R 7W</u>
Telephone No. (____) _____	Distance <u>4</u> Miles Direction <u>NW</u> of Nearest Town <u>Rolling Fork</u>

Pump Type	Power Type
Circle one	Circle one
Air Lift <input type="checkbox"/> Jet <input type="checkbox"/> Submersible <input type="checkbox"/>	Diesel Engine <input type="checkbox"/> Gasoline Engine <input type="checkbox"/> Natural Gas <input type="checkbox"/>
Bucket <input type="checkbox"/> Piston <input type="checkbox"/> <b>Turbine</b> <input checked="" type="checkbox"/>	<b>Electric Motor</b> <input checked="" type="checkbox"/> Hand <input type="checkbox"/> Tractor PTO <input type="checkbox"/>
Centrifugal <input type="checkbox"/> Rotary <input type="checkbox"/> Flowing Well <input type="checkbox"/>	Windmill <input type="checkbox"/> Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>60</u>
Date Pump Installed: <u>4-26-11</u>	Setting Depth: <u>70</u> feet
Rated Pump Capacity: <u>2500±</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 <input type="checkbox"/> Electric Measuring Line <input type="checkbox"/> Steel Tape <input type="checkbox"/>
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)    Patrick M. Chism  
 Signature of Pump Installer

A146



32 57 28.7N 90 55 25.1W



Untitled Placemark

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Image USDA Farm Service Agency

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RECEIVED  
MAY 16 2011  
BY: OLWR