

Filed 8-20-09

County: Shenandoah
 Permit #: GW43443
 Driller: Charles M. Nichols
 Date drilling completed: 7-10-09

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 #: 0179
 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.

<p align="center">Information on Well Owner (Landowner if borehole is not for a water well)</p> <p>Owner Name: <u>JAMES BARNES</u> Mailing Address: _____ <u>Glen Allen Ms. 38744</u> City State Zip Code Telephone No. () _____</p>	<p align="center">Well or Borehole Location</p> <p>Latitude: <u>32° 57' 40" N</u> Longitude: <u>90° 53' 22" W</u> Method of Lat/Long (circle one): <u>Hand-held GPS</u> Conventional Survey USGS quad, <u>Hand-held GPS</u> Survey-grade GPS <u>NE 1/4 SE 1/4 Sec 22 Twn 13N Rng 7W</u> Distance Direction Nearest Town <u>3</u> Miles <u>NW</u> of <u>Rolling Fork</u></p>
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Well / Borehole Data

Date drilling started: 7-10-09 Date drilling completed: 7-10-09 Hole depth: 123 Hole diameter: 26

Location of the source of any surface water used for drilling: ditch
 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: 24 feet above or below (circle one) land surface Date measured: 7-11-09

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

Well depth: 120 Well grouted to a depth of 10 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 80 feet Casing diameter: 16 inches Type of casing: mu

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

Screen slot size: .035 inches Setting depth: From 50 feet to 120 feet

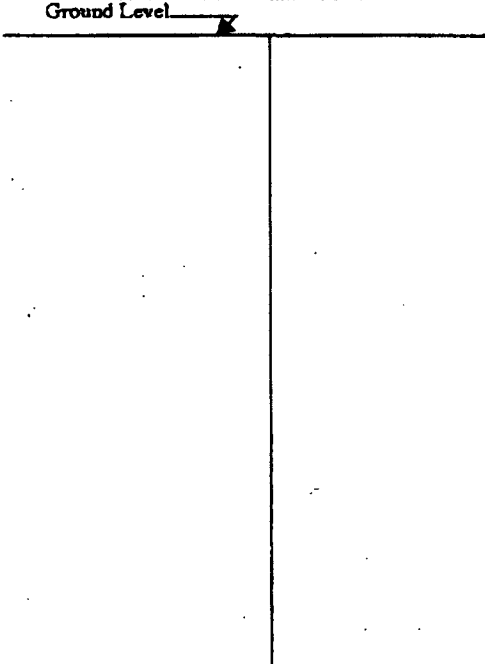
Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development
 Other (describe): _____

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

Form: OLWR-SWR-1A

The sketch below only required for water wells

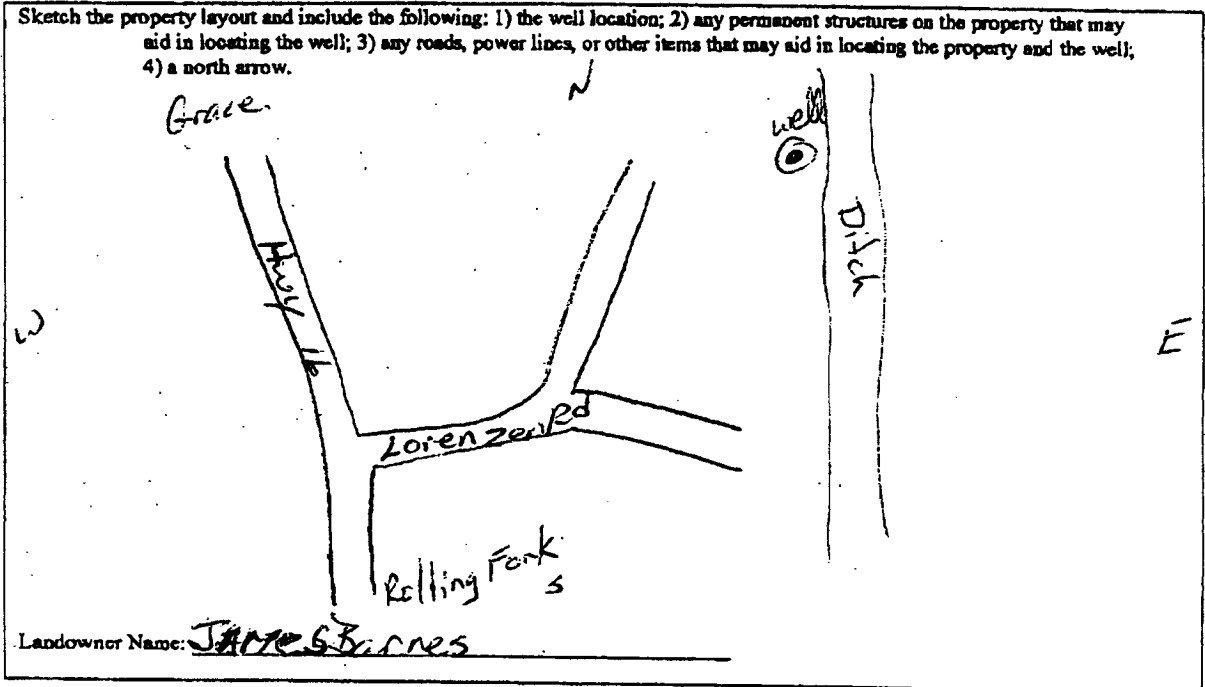
If well telescopes, show depths on sketch.



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	20
Clay + Fine sand	20	30
Fine sand	30	40
Fine + med sand	40	50
Med sand	50	70
Coarse sand + pebbles	70	110
Coarse sand	110	123

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 8-20-05

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: Sharkey
Permit #: _____
Driller: Charles M. Nichols
Date completed: 7-11-09
Copy information from Heck on Part 1

For Office Use Only:

Aquifer: _____
Well #: 0179
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>JAMES BARNES</u>	Latitude: <u>32° 57.404'</u> Longitude: <u>90° 53.929' E</u>
Mailing Address: _____	Method of Lat/Long (check one): Conventional Survey _____ 24 49
<u>Glen Allen MS 38744</u> City State Zip Code	USGS quad _____ Hand-held GPS <input checked="" type="checkbox"/> Survey-grade GPS _____
Telephone No. () _____	<u>NE 1/4 SE 1/4 Sec 22 T 13N R 7W</u>
	Distance Direction Nearest Town <u>3 Miles NW of Rolling Fork</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet Submersible	<u>Diesel Engine</u> Gasoline Engine Natural Gas
Bucket Piston <u>Turbine</u>	Electric Motor Hand Tractor PTO
Centrifugal Rotary Flowing Well	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>60</u>
Date Pump Installed: <u>7-11-09</u>	Setting Depth: <u>70</u> feet
Rated Pump Capacity: <u>2500</u> Gallons Per Minute	Number of Stages: <u>2 x 12</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: _____	Air Line Electric Measuring Line <u>Steel Tape</u>
Static Water Level (A): <u>24</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