

County: Leflore
 Permit # _____
 Driller: Office of Geology
 Date drilling completed: 5/11/10

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 # E0094
 L. S. Elevation: _____
 E-log #: 0094

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>Wayne Bush</u> | Latitude: <u>33° 40' 42.5" N</u> Longitude: <u>90° 13' 55.4" W</u> |
| Mailing Address: <u>OLWR Belk #1</u> | Method of Lat/Long (circle one): Conventional Survey |
| City _____ State _____ Zip Code _____ | USGS quad, (Hand-held GPS) Survey-grade GPS |
| Telephone No. () _____ | <u>1R</u> <u>1R</u> Sec <u>13</u> Twn <u>21N</u> Rng <u>1E</u> |
| | Distance _____ Direction _____ Nearest Town _____ |
| | <u>2.5</u> Miles <u>N</u> of <u>Money</u> |

Well / Borehole Data

Date drilling started: 5/10 Date drilling completed: 5/11 Hole depth: 320 Hole diameter: 5'

Location of the source of any surface water used for drilling: Tullehatchie River

Method of dosing and volume of Chlorine used in drilling and development: 1 gal / 1000 water

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

Name of organization running log(s): Office of Geology

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

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

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

Casing length: _____ feet Casing diameter: _____ inches Type of casing: _____

Screen length: _____ feet Screen diameter: _____ inches Type of screen: _____

Screen slot size: _____ 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: _____ feet. *If telescoped or more than one screen, describe on next page*

Form: OLWR-SWR-1A

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 _____

| Description of Formations Encountered | From (depth) | To (depth) |
|---------------------------------------|--------------|------------|
| Clay | Ground Level | 15' |
| Sand | 15' | 50' |
| Sand & gravel | 50' | 70' |
| Sand | 70' | 90' |
| Gravel | 90' | 120' |
| Sand & gravel | 120' | 140' |
| Sticky clay | 140' | 150' |
| Sandy clay | 150' | 160' |
| Sand | 160' | 234' |
| Clay | 234' | 290' |
| Sandy clay | 290' | 310' |
| Clay | 310' | 320' |
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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: _____

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.

Chutes Mangae 6/4/10 Chutes Mangae
 Print Name of Responsible Licensee and License No. Date Signature of Licensee