

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: Desoto
Permit #: _____
Driller: Jones W. Mason
Date drilling completed: 12-28-09

For Office Use Only:
Aquifer: F 158
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>Granger</u> | Latitude: <u>34° 55' 30"</u> Longitude: <u>89° 59' 31"</u> |
| Mailing Address: <u>4300 old airways blud.</u> | Method of Lat/Long (circle one): Conventional Survey, <u>25</u> |
| <u>Southaven</u> MS <u>38680</u> | USGS quad, <u>Hand-held GPS</u> Survey-grade GPS |
| City State Zip Code | <u>SE</u> 1/4 <u>NE</u> 1/4 Sec <u>12</u> Twn <u>2S</u> Rng <u>8W</u> |
| Telephone No. <u>(662) 536-5100</u> | Distance <u>5</u> Miles Direction <u>NE</u> of Nearest Town <u>Doys</u> |

Well / Borehole Data

Date drilling started: 12-28-09 Date drilling completed: 12-28-09 Hole depth: 281' Hole diameter: 6 3/4

Location of the source of any surface water used for drilling: NA
Method of dosing and volume of Chlorine used in drilling and development: NA

Logs run (circle all applicable): No log run Electric Gamma Ray Density Sonic Neutron Other: _____
Name of organization running log(s): NA

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 NA Other (describe) _____

Static Water Level: 134 feet above or below (circle one) land surface Date measured: 12-28-09

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

Well depth: 281 Well grouted to a depth of 50 feet Type of grout (circle one): Neat Cement Bentonite Mix

Casing length: 261 feet Casing diameter: 4 inches Type of casing: pvc

Screen length: 20 feet Screen diameter: 4 inches Type of screen: pvc

Screen slot size: .010 inches Setting depth: From 261 feet to 281 feet

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

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

Form: OLWR-SWR-1A (04/08)

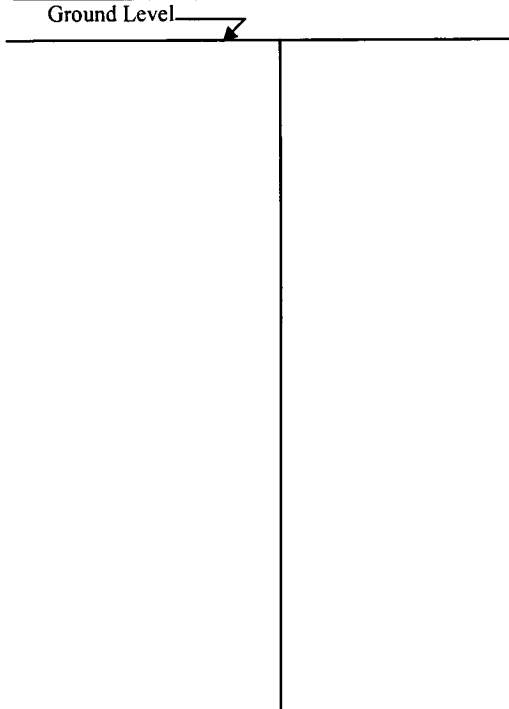
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The sketch below only required for water wells

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 dirt. | Ground Level | 30 |
| gravel | 30 | 45 |
| white clay | 45 | 70 |
| white sand | 70 | 90 |
| white clay | 90 | 140 |
| white sand | 140 | 281 |
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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: Granger

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.

Jones W. Mason 0-620 1-11-10
 Print Name of Responsible Licensee and License No. Date

Jones W. Mason
 Signature of Licensee

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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)

County: Desoto
 Permit #: _____
 Driller: Jones w. Mason
 Date completed: 12-28-09
Copy information from block on Part 1

For Office Use Only:

Aquifer: F158
 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>Greinger</u> | Latitude: <u>34-55-309</u> Longitude: <u>89-59-305</u> |
| Mailing Address: <u>4300 old airways blvd</u> | Method of Lat/Long (check one): Conventional Survey <input type="checkbox"/> ²⁵ |
| <u>Southaven</u> <u>ms</u> <u>38680</u> | USGS quad _____, Hand-held GPS <input checked="" type="checkbox"/> , Survey-grade GPS _____ |
| City State Zip Code | <u>SE</u> $\frac{1}{4}$ <u>NE</u> $\frac{1}{4}$ Sec <u>12</u> T <u>2s</u> R <u>8w</u> |
| Telephone No. <u>(662) 536-5100</u> | Distance Direction Nearest Town |
| | <u>5</u> Miles <u>NE</u> of <u>Days</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 <input type="checkbox"/> Turbine <input type="checkbox"/> | <u>Electric Motor</u> <input checked="" type="checkbox"/> Hand <input type="checkbox"/> Tractor PTO <input type="checkbox"/> |
| Centrifugal Rotary <input type="checkbox"/> Flowing Well <input type="checkbox"/> | Windmill Other (specify): _____ |
| Other (specify): _____ | Horse Power Rating of Motor: <u>10 hp.</u> |
| Date Pump Installed: <u>12-28-09</u> | Setting Depth: <u>168</u> feet |
| Rated Pump Capacity: <u>60</u> Gallons Per Minute | Number of Stages: <u>14</u> |

| Pump Test Data | Method of Measuring Water Level Circle one |
|--|---|
| Date Well Tested: <u>12-28-09</u> | Air Line Electric Measuring Line Steel Tape |
| Static Water Level (A): <u>134</u> Feet Below Land Surface | Other (specify): <u>string weight</u> |
| Pumping Water Level (B): <u>NA</u> Feet Below Land Surface | For flowing well, measured shut in head: <u>NA</u> feet |
| Drawdown [(B) - (A)]: <u>NA</u> Feet Below Land Surface | Well yielded <u>60</u> GPM with a drawdown of |
| Test Pumping Rate: <u>60</u> Gallons Per Minute | <u>NA</u> feet after <u>24</u> hours of pumping |
| Duration of Pump Test (minimum 4 hours): <u>24</u> hours | |

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

Jones w. Mason 0-620 _____
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

Form: OLWR-SWR-1B (04/08)

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