

County: Harrison
 Permit #: 0-209
 Driller: A. Mason
 Date drilling completed: 7/29/05

State Well Report
Part I - 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 #: K-421
 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>James A. Murphy</u> Mailing Address: <u>10714 Magnolia St.</u> <u>Pass Christian, MS</u> City State Zip Code Telephone No. () _____ | Latitude: _____ Longitude: _____ Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS 1/4 Sec <u>32</u> Twn <u>7S</u> Rng <u>12W</u> Distance <u>3</u> Miles Direction <u>N</u> of Nearest Town <u>Pass Christian</u> |
| Well / Borehole Data Date drilling started: <u>7/28/05</u> Date drilling completed: <u>7/29/05</u> Hole depth: <u>200</u> Hole diameter: <u>4" @ 200'</u> Location of the source of any surface water used for drilling: <u>Shop</u> Method of dosing and volume of Chlorine used in drilling and development: <u>3lbs / 2000 gal.</u> Logs run (circle all applicable): <u>No log run</u> Electric Gamma Ray Density Sonic Neutron Other: _____ Name of organization running log(s): _____ Purpose of borehole (check one): Water Well <input checked="" type="checkbox"/> Geotechnical/Geological Investigation _____ Ground Source Heat Pump _____ Seismic Survey _____ Other (describe) _____ <i>If drilling is not related to water well construction, skip the remainder of this block</i> | |
| Purpose of Well (check one): Home <input checked="" type="checkbox"/> Industrial _____ Public Supply _____ Irrigation _____ Fish Culture _____ Other: _____ If a flowing well, method of flow regulation: Valve _____ Other (describe) _____ Static Water Level: <u>10</u> feet above or below (circle one) land surface Date measured: <u>7/29/05</u> Method of Measurement (circle one) steel tape electric tape air line other: <u>plumb bob</u> Well depth: <u>200</u> Well grouted to a depth of _____ feet Type of grout (circle one): Neat Cement Bentonite Mix Casing length: <u>190</u> feet Casing diameter: <u>4" @ 190'</u> inches Type of casing: <u>PVC</u> Screen length: <u>10</u> feet Screen diameter: <u>4" @ 10'</u> inches Type of screen: <u>PVC</u> Screen slot size: <u>.006</u> inches Setting depth: From <u>190</u> feet to <u>200</u> feet Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole <u>Natural Development</u> Other (describe): _____ Top of lap pipe or reduction in casing: _____ feet. <i>If telescoped or more than one screen, describe on next page</i> | |

Form: OLWR-SWR-1A

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K-421

The sketch below only required for water wells

If well telescopes, show depths on sketch.

Ground Level →

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) |
|---------------------------------------|--------------|------------|
| Top Soil | 1 | 3 |
| R. Clay | 3 | 7 |
| W. sand | 7 | 35 |
| Soft B. Clay | 35 | 80 |
| Hard B. Clay | 80 | 150 |
| Fine Water Sand | 150 | 170 |
| Coarse Water Sand | 170 | 200 |
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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: James R Murphy

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 law.

Dwight Mason 0-209 7/29/05 Dwight Mason
 Print Name of Responsible Licensee and License No. Date 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 10631
 Jackson, MS 39289-0631
 (601)961-5210
 (601)354-6938 (fax)

County: Harrison
 Permit #: 0-209
 Driller: R. Mason
 Date completed: 7/29/05
Copy information from block on Part 1

For Office Use Only:

Aquifer: _____
 Well #: K-421
 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 R. Murphy</u> | Latitude: _____ Longitude: _____ |
| Mailing Address: <u>10714 Magnolia St.</u> | Method of Lat/Long (check one): Conventional Survey _____ |
| <u>Pass Christian, MS</u> | USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____ |
| City State Zip Code | _____ 1/4 _____ 1/4 Sec <u>32-T 7S R 12W</u> |
| Telephone No. () _____ | Distance Direction Nearest Town |
| | <u>3</u> Miles <u>N</u> of <u>Pass Christian</u> |

| Pump Type Circle one | Power Type Circle one |
|--|---|
| Air Lift Jet <input type="radio"/> <input checked="" type="radio"/> <u>Submersible</u> | Diesel Engine Gasoline Engine Natural Gas |
| Bucket Piston Turbine | <input checked="" type="radio"/> <u>Electric Motor</u> Hand Tractor PTO |
| Centrifugal Rotary Flowing Well | Windmill Other (specify): _____ |
| Other (specify): _____ | Horse Power Rating of Motor: <u>1 hp</u> |
| Date Pump Installed: <u>7/29/05</u> | Setting Depth: <u>40</u> feet |
| Rated Pump Capacity: <u>14</u> Gallons Per Minute | Number of Stages: <u>14</u> |

| Pump Test Data | Method of Measuring Water Level Circle one |
|--|---|
| Date Well Tested: <u>7/29/05</u> | Air Line Electric Measuring Line Steel Tape |
| Static Water Level (A): <u>10</u> Feet Below Land Surface | Other (specify): <u>plumb bob</u> |
| Pumping Water Level (B): <u>10</u> Feet Below Land Surface | For flowing well, measured shut in head: _____ feet |
| Drawdown [(B) - (A)]: <u>0</u> Feet Below Land Surface | Well yielded <u>14</u> GPM with a drawdown of |
| Test Pumping Rate: <u>14</u> Gallons Per Minute | <u>0</u> feet after <u>4</u> hours of pumping |
| Duration of Pump Test (minimum 4 hours): <u>4</u> hours | |

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

Dwight Mason 0-209 Dwight Mason
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer

Form: OLWR-SWR-1B

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