

Desoto

County: ~~Marshall~~  
 Permit #: 0-163  
 Driller: Larry Carpenter  
 Date drilling completed: 10-31-10

**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: M 287  
 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>Albert L. Petty</u>	Latitude: <u>34° 49' 02"</u> Longitude: <u>89° 44' 24"</u>
Mailing Address: <u>P.O. Box 593</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
<u>Byhalia</u> <u>Ms.</u> <u>38654</u>	<u>SW</u> 1/4 <u>SW</u> 1/4 Sec <u>16</u> Twn <u>35</u> Rng <u>5W</u>
City State Zip Code	Distance <u>3</u> Miles Direction <u>West</u> of Nearest Town <u>Warren</u>
Telephone No. <u>(901) 387-8665</u>	

**Well / Borehole Data**

Date drilling started: 10-31-10 Date drilling completed: 10-31-10 Hole depth: 175' Hole diameter: 8"

Location of the source of any surface water used for drilling: Well Water

Method of dosing and volume of Chlorine used in drilling and development: 1/2 lb. chlorine to 1000 Gal. Water

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: 65' feet above or below (circle one) land surface Date measured: 11-1-10

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

Well depth: 175' Well grouted to a depth of 10 feet Type of grout (circle one): (Neat Cement) Bentonite Mix

Casing length: 160 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 15 feet Screen diameter: 4 inches Type of screen: PVC

Screen slot size: .013 inches Setting depth: From 160 feet to 175 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*

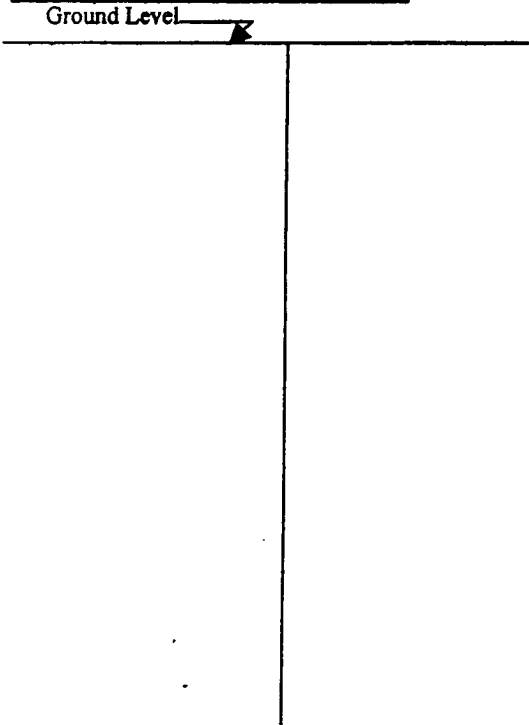
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BY: OLWR

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

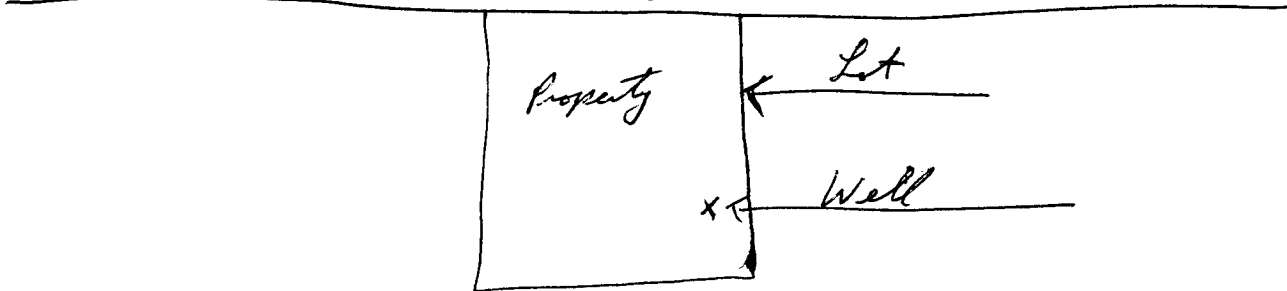
Description of Formations Encountered	From (depth) Ground Level	To (depth)
Surface Soil	0	18
Med. Red Sand	18	40
med. White Sand	40	75
White Clay	75	96
Fine White Sand	96	130
White Coarse Sand	130	175

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.



Stickland Rd.



Landowner Name: Albert L. Petty

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 laws.

Larry Carpenter #0-162  
Print Name of Responsible Licensee and License No.

11-5-10  
Date

Larry Carpenter  
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)

For Office Use Only:

Aquifer: \_\_\_\_\_  
 Well #: \_\_\_\_\_  
 Elevation: \_\_\_\_\_

County: Marshall  
 Permit #: 0-162  
 Driller: Larry Carpenter  
 Date completed: \_\_\_\_\_  
*Copy information from block on Part 1*

*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>Albert L. Petty</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>P.O. Box 593</u>	Method of Lat/Long (check one): Conventional Survey _____
<u>Byhalia</u> <u>Ms.</u> <u>38654</u>	USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____
City State Zip Code	_____ 1/4 _____ 1/4 Sec <u>16</u> T <u>35</u> R <u>5W</u>
Telephone No. <u>(901) 387-8665</u>	Distance Direction Nearest Town
	<u>3</u> Miles <u>West</u> of <u>Warsaw</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <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 1/2</u>
Date Pump Installed: <u>11-1-10</u>	Setting Depth: <u>100</u> feet
Rated Pump Capacity: <u>20</u> Gallons Per Minute	Number of Stages: <u>14</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>11-1-10</u>	Air Line Electric Measuring Line <input checked="" type="radio"/> <u>Steel Tape</u>
Static Water Level (A): <u>65</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>70</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>5</u> Feet Below Land Surface	Well yielded <u>2.5</u> GPM with a drawdown of
Test Pumping Rate: <u>25</u> Gallons Per Minute	<u>5</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.

Larry Carpenter #0-162  
 Print Name of Pump Installer and License No. (if applicable)

Larry Carpenter  
 Signature of Pump Installer

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Form: **BY-OLWR**