

Cavern Well #3

State Well Report

Part 1

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: R 101
Well #: _____
L. S. Elevation: _____
E-log #: _____

County: Smith
Permit #: _____
Driller: John W Thompson
Date drilling completed: 10-21-10

State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.

Well Owner Information	Well Location
Owner Name: <u>Leaf River Energy</u>	Latitude: <u>31.51.44"</u> Longitude: <u>89.19.15"</u>
Mailing Address: <u>53 Riverside Ave</u> <u>West Port Ct 06880</u>	Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS
City: _____ State: _____ Zip Code: _____	<u>NW 1/4 Sec 5 Twn 10N Rng 13W</u>
Telephone No. () _____	Distance: <u>3</u> Miles Direction: <u>W</u> of Nearest Town: <u>Stinger</u>

Well Data

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: rig supply

Date well drilling started: 10-21-10 Date well drilling completed: 10-21-10

If flowing, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 60 feet above or below (circle one) land surface Date measured: 10-21-10

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

Hole depth: 150 Well depth: 140 Well grouted to a depth of 15 feet

Type of grout (circle one): Cement Bentonite Mix

Casing length: 100 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 40 feet Screen diameter: 4 inches Type of screen: PVC Slotted

Screen slot size: #008 + .020 inches Setting depth: From 100-120 (.008) to 120-140 (.020) 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 back of page

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

Name of organization running log(s): _____

I certify that the well was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

John W Thompson 0-679
Print Name of Water Well Contractor and License No.

John W Thompson
Signature of Water Well Contractor

RECEIVED
OCT 25 2010
BY: CLAIR

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: Smith
 Permit #: _____
 Driller: John W Thompson
 Date completed: 10-21-10
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>Leaf River Energy</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>53 Riversid Ave</u> <u>West Port Ct 06880</u>	Method of Lat/Long (check one): Conventional Survey _____ USGS quad _____, Hand-held GPS _____, Survey-grade GPS _____ _____ 1/4 _____ 1/4 Sec <u>5</u> T <u>10N</u> R <u>13W</u>
City _____ State _____ Zip Code _____	Distance _____ Direction _____ Nearest Town _____ <u>3</u> Miles <u>W</u> of <u>Stringer</u>
Telephone No. () _____	

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>5</u>
Date Pump Installed: <u>10-21-10</u>	Setting Depth: <u>100</u> feet
Rated Pump Capacity: <u>55</u> Gallons Per Minute	Number of Stages: _____

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>10-21-10</u>	<input checked="" type="radio"/> <u>Air Line</u> Electric Measuring Line Steel Tape
Static Water Level (A): <u>60</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>88</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>28</u> Feet Below Land Surface	Well yielded <u>75</u> GPM with a drawdown of
Test Pumping Rate: <u>75</u> Gallons Per Minute	<u>28</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.

John W Thompson 0-679
 Print Name of Pump Installer and License No. (if applicable)

John W Thompson
 Signature of Pump Installer

Form: OLWR-SWR-1B

RECEIVED
 OCT 21 2010
 BY: OLWR