

#12

County: Desoto
 Permit #: 11877000
 Driller: Charles M. Nichols
 Date drilling completed: 2-23-11

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: E 137
 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>Desoto Co. Regional Utility Authority</u> Mailing Address: <u>365 Loshe St Suite 310 Hernando Ms. 38632</u> City State Zip Code Telephone No. () _____	Latitude: <u>34° 55' 106" N</u> Longitude: <u>090° 09' 146" W</u> Method of Lat/Long (circle one): Conventional Survey, USGS quad, Hand-held GPS, Survey-grade GPS Sec <u>52</u> Twp <u>2 S</u> Rng <u>9 W</u> Distance <u>3</u> Miles Direction <u>SE</u> of Nearest Town <u>WALLS</u>

Well / Borehole Data

Date drilling started: 3-23-11 Date drilling completed: 3-24-11 Hole depth: 90 Hole diameter: 26

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

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) Dewatering well
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: Dewatering

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: 90 Well grouted to a depth of _____ feet Type of grout (circle one): Neat Cement Bentonite Mix
 Casing length: 50 feet Casing diameter: 16 inches Type of casing: pu
 Screen length: 40 feet Screen diameter: 16 inches Type of screen: pu
 Screen slot size: .035 inches Setting depth: From 50 feet to 90 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*