

County: NESHOBA

Permit #: EXEMPT

Driller: LAYNE-CENTRAL

Date drilling completed: 8/21/09

**Well Driller Report and Well Log**  
 Mississippi Department of Environmental Quality  
 Office of Land and Water Resources  
 P. O. Box 2309  
 Jackson, MS 39225-2309  
 (601) 961-5210  
 (601) 354-6938 (fax)

**For Office Use Only:**

Aquifer: \_\_\_\_\_

Well #: LC7

L. S. Elevation: 474

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 <i>(Landowner if borehole is not for a water well)</i>	Well or Borehole Location
Owner Name <u>MISSISSIPPI BAND OF CHOCTAW INDIANS</u>	Latitude: <u>32 ° 42 ' 39.28"</u> Longitude: <u>89 ° 03 ' 11.56"</u>
Mailing Address: <u>PO BOX 6366</u>	Method of Lat/Long (circle one): <input type="checkbox"/> Conventional Survey
<u>CHOCTAW</u> <u>MS</u> <u>39350</u>	<input type="checkbox"/> USGS quad, <input type="checkbox"/> Hand-Held GPS, <input type="checkbox"/> Survey-grade GPS
City State Zip Code	<u>SE 1/4 SW 1/4</u> Sec <u>15</u> Twn <u>10N</u> Rng <u>12E</u>
Telephone No. ( <u>601</u> ) <u>650.1760</u>	Distance Direction Nearest Town
	<u>4.5</u> Miles <u>SE</u> of <u>PHILADELPHIA</u>

**Well / Borehole Data**

Date drilling started: 7/14/09 Date well drilling completed: 8/21/09 Hole Depth: 974' Hole diameter: \_\_\_\_\_

Location of the source of any surface water used for drilling: NONE

Method of dosing and volume of Chlorine used in drilling and development: 50 PPM WHEN UNDERREAMING

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

Name of organization running log(s): LAYNE CHRISTENSEN COMPANY, PENSACOLA, FL

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 flowing, method of flow regulation: Valve \_\_\_\_\_ Other (describe) \_\_\_\_\_

Static Water Level: 142 feet above or  below (circle one) land surface Date measured: 5/7/10

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

Well depth: 974' Well grouted to a depth of: 860' Type of grout (circle one):  Neat Cement  Bentonite  Mix

Casing length: 860 feet Casing diameter: 12 inches Type of casing: STEEL

Screen length: 50 feet Screen diameter: 8 inches Type of screen: STAINLESS

Screen slot size: 0.020 inches Setting depth: From 870 feet to 920 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: 787 feet. *If telescoped or more than one screen, describe on next page.*

Form: **RECEIVED**

FEB 25 2011

BY: OLWR

267  
Neshoba Co

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.

Ground Level


---

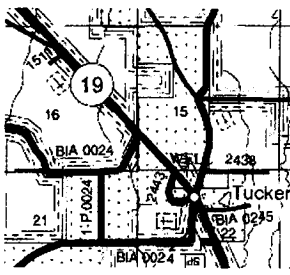
Description of Formations Encountered	From	To
TOP SOIL	0	2
YELLOW CLAY	2	30
BLUE CLAY	30	113
SANDY CLAY	113	125
HARD SHELL (BLUE)	125	265
SHELL/SAND STREAKS	265	375
HARD SHELL	375	655
SAND (SHELL STREAKS)	655	690
SAND (MEDIUM)	690	721
CLAY	721	730
SAND	730	764
HARD SHELL	764	801
SAND	801	927
HARD SHALE	927	935
SAND	935	940
HARD SHALE & SAND STREAKS	941	971

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.

NORTH





NOT TO SCALE

Landowner's Name: MISSISSIPPI BAND OF CHOCTAW INDIANS

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 laws.

DAVE COOK 692  
Print Name of Responsible Licensee and License No.

Date

*Dave Cook*

Signature of Licensee

RECEIVED

FEB 25 2011

BY: OLWR

