

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**

Office of Land and Water Resources

P.O. Box 10631

Jackson, MS 39289-0631

**WATER WELL DRILLERS LOG**

COUNTY WELL LOCATED <b>Calhoun</b>	
WELL NUMBER <b>H-13</b>	CODED
<b>WELL INFO ONLY</b>	
DATE WELL COMPLETED <b>11/25/03</b>	

PERMIT NUMBER <b>MSGW-15934</b>
NAME OF DRILLING FIRM <b>Layne-Central, a division of Layne</b>
<b>Christensen Company</b>

NAME & MAILING ADDRESS OF LANDOWNER  New Liberty Water Association 203 County Road #433 Vardaman, MS 38878			
Latitude: Longitude:			
WELL LOCATION <b>31 X</b>	SEC <b>13</b>	TOWNSHIP <input type="checkbox"/> N <input checked="" type="checkbox"/> S	RANGE <input checked="" type="checkbox"/> E <input type="checkbox"/> W
DISTANCE <b>3</b> Miles	DIRECTION <b>West</b>	NEAREST TOWN <b>of Vardaman</b>	
OTHER LANDMARK			
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <b>Municipal</b>			

WELL DATA		
Well Depth <b>1849 ft.</b>	Casing Diameter (in) <b>10"</b>	Casing Length (Ft.) <b>1790 ft.</b>
Type of Casing <b>Steel</b>	Hose Depth <b>1865 ft.</b>	Depth to Static Water Level <b>207 ft.</b>
TYPE OF COMPLETION (Check One or More) <input checked="" type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Underreamed <input type="checkbox"/> Telescoped <input type="checkbox"/> Natural Development <input type="checkbox"/> Open Hole <input type="checkbox"/> Other (Describe) _____		
WELL GROUTED TO A DEPTH OF <b>1790</b> FEET Type of Grout (Check One) <input checked="" type="checkbox"/> Cement <input type="checkbox"/> Bentonite or <input type="checkbox"/> Mix		

SCREEN DATA		
Diameter - inches <b>6"</b>	Length - feet <b>50 ft.</b>	Slot Size - inches <b>.017</b>
Screen Type <b>Stainless Steel</b>	Depth to Bottom - Feet <b>1849 ft.</b>	

PUMP DATA ( <b>PUMP NOT YET INSTALLED</b> )		
PUMP TYPE (Check One): Installed Customer's Pump <input type="checkbox"/> Submersible <input checked="" type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Flowing Well <input type="checkbox"/> Other (Describe) _____		
POWER TYPE (Check One): <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Tractor <input type="checkbox"/> Diesel <input type="checkbox"/> Gasoline <input type="checkbox"/> Butane <input type="checkbox"/> Other (Describe) _____ H/P <b>30</b>		
DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Clay	0	10
Sandy Clay	10	25
Clay	25	66
Rock	66	67
Clay and Shale	67	148
Clay	148	190
Clay and Shale	190	262
Clay w/ Rock Streaks	262	310
Clay and Shale	310	520
Clay w/ Rock Streaks & Shale	520	607
Rock	607	608
Clay and Shale	608	640
Rock	640	641
Clay and Shale	641	680
Hard Clay & Rock Streaks	680	758
Clay and Shale	758	875
Clay	875	1118
Shale w/ Sand Streaks	1118	1181
Rock	1181	1183
Shale	1183	1403
Rock	1403	1405
Shale w/ Sand Streaks	1405	1451
Rock	1451	1453
Shale & Clay w/ Sand Streaks	1453	1612
Cont'd on Back		
Top of Lap Pipe or Reduction in Casing FEET IF TELESCOPED OR MORE THAN ONE SCREEN, USE BACK PAGE		

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.

*[Signature]*      0-64  
Signature of Licensed Driller and License No.

**RECEIVED**  
JAN 22 2004  
BY: OLWR      1/19/04  
Date

Additional Information Required on Back

Driller's Log Continued...

Sand w/ Shale & Clay 1612-1622  
 Clay 1622-1643  
 Sand w/ Shale & Clay 1643-1762  
 Sand w/ Shale, Clay & Pea Gravel 1762-1842  
 Clay w/ Gravel 1842-1865

If well telescopes, please sketch and show depths.

GROUND LEVEL


SECTION \_\_\_\_\_

Please indicate well location X.

Pump Capacity (GPM) <b>200</b>	No. of Stages <b>n/a</b>	Setting Depth <b>n/a</b> FT.
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**PUMP TEST**

Well yielded **PUMP NOT YET INSTALLED** & **NOT TESTED YET** GPM with a drawdown of \_\_\_\_\_ ft. after \_\_\_\_\_ hours of pumping

**LOG DATA**

TYPE OF LOG RUN (Check One):  No Log Run  
 Electric,  Gamma Ray,  Density,  Sonic,  Neutron,  
 Other (Describe) \_\_\_\_\_

Name of Organization Running Log  
**LAYNE GEOLOGICAL SERVICE**

**GEOLOGICAL DATA (Office Use Only)**

Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs SWL	Date	Analysis	Aquifer Test

Driller's Remarks  
 Layne File No. 22-9070

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If more than one screen, show location of each on sketch.