

**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<br><b>Yalobusha</b>  |       |
| WELL NUMBER<br><b>C-82</b>               | CODED |
| DATE WELL COMPLETED<br><b>01/25/2000</b> |       |

|  |
|--|
| PERMIT NUMBER<br><b>MSGW 15508</b>                                 |
| NAME OF DRILLING FIRM<br><b>Layne-Central, a division of Layne</b> |
| <b>Christensen Company</b>   |

|  |  |  |  |
|--|--|--|--|
| NAME & MAILING ADDRESS OF LANDOWNER<br><b>CITY OF WATER VALLEY<br/>P.O. BOX 231<br/>WATER VALLEY, MS 38965-0231</b>  |  |  |  |
| WELL LOCATION<br>SEC <b>11</b> TOWNSHIP <b>4</b> RANGE <b>W</b><br><input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input checked="" type="checkbox"/> W |  |  |  |
| DISTANCE<br>DIRECTION <b>NEAREST TOWN</b><br><b>See Driller's Remarks</b> <b>Willis Bog.</b>   |  |  |  |
| OTHER LANDMARK   |  |  |  |
| WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.<br><b>Municipal</b>   |  |  |  |

|  |                           |                                 |
|--|---------------------------|---------------------------------|
| PUMP DATA  |                           |                                 |
| PUMP TYPE (Check One):<br><input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Flowing Well<br><input checked="" type="checkbox"/> Other (Describe)   |                           |                                 |
| POWER TYPE (Check One):<br><input checked="" type="checkbox"/> Electric <input type="checkbox"/> Tractor <input type="checkbox"/> Diesel <input type="checkbox"/> Gasoline <input type="checkbox"/> Butane<br><input type="checkbox"/> Other (Describe) H/P <b>100</b> |                           |                                 |
| Pump Capacity (GPM)<br><b>900</b>  | No. of Stages<br><b>3</b> | Setting Depth<br><b>135</b> FT. |
| PUMP TEST<br>Well yielded <b>850</b> GPM with<br>a drawdown of <b>28</b> ft.<br>after <b>8</b> hours of pumping  |                           |                                 |

|   |                                    |  |
|---|------------------------------------|--|
| WELL DATA   |                                    |  |
| Well Depth<br><b>158'</b>   | Casing Diameter (in)<br><b>20"</b> | Casing Length (Ft.)<br><b>110'</b>           |
| Type of Casing<br><b>Steel</b>  | Hole Depth<br><b>158'</b>          | Depth to Static Water Level<br><b>100'6"</b> |
| TYPE OF COMPLETION (Check One or More)<br><input checked="" type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Underreamed <input type="checkbox"/> Telescoped<br><input type="checkbox"/> Natural Development <input type="checkbox"/> Open Hole <input type="checkbox"/> Other |                                    |  |
| WELL GROUTED TO A DEPTH OF <b>110</b> FEET<br>Type of Grout (Check One) <input checked="" type="checkbox"/> Cement <input type="checkbox"/> Bentonite or <input type="checkbox"/> Mix   |                                    |  |

|   |  |
|---|--|
| LOG DATA  |  |
| TYPE OF LOG RUN (Check One) <input type="checkbox"/> No Log Run.<br><input checked="" type="checkbox"/> Electric <input type="checkbox"/> Gamma Ray <input type="checkbox"/> Density <input type="checkbox"/> Sonic <input type="checkbox"/> Neutron<br><input type="checkbox"/> Other (Describe) |  |
| Name of Organization Running Log<br><b>MISSISSIPPI OFFICE OF GEOLOGY</b>  |  |

|                                       |                                       |                                   |
|---------------------------------------|---------------------------------------|-----------------------------------|
| SCREEN DATA                           |                                       |                                   |
| Diameter - inches<br><b>16"</b>       | Length - feet<br><b>*48'</b>          | Slot Size - inches<br><b>.050</b> |
| Screen Type<br><b>Stainless Steel</b> | Depth to Bottom - Feet<br><b>158'</b> |                                   |

|  |               |                |               |
|--|---------------|----------------|---------------|
| GEOLOGIC DATA (Office Use Only)  |               |                |               |
| Surface Elev   | Geologic Unit | Unit Thickness | Depth to Top  |
| Subs SWL   | Date          | Analysis       | Adjuster Test |
| Driller's Remarks<br><b>* bottom 13' of well is a sump.</b>  |               |                |               |
| <b>N34° 09.645' W089° 38.424'</b>  |               |                |               |
| Top of Lap Pipe or Reduction in Casing<br><b>FEET</b> IF TELESCOPED OR MORE THAN ONE SCREEN, USE BACK PAGE |               |                |               |

| DESCRIPTION OF FORMATIONS ENCOUNTERED     | FROM       | TO         | FORMATIONS (Continued) | FROM | TO |
|---|------------|------------|------------------------|------|----|
| <b>Red Clay</b>                           | <b>0</b>   | <b>6</b>   |                        |      |    |
| <b>Red Sand</b>                           | <b>6</b>   | <b>28</b>  |                        |      |    |
| <b>White Clay &amp; Sand</b>              | <b>28</b>  | <b>34</b>  |                        |      |    |
| <b>Yellow Sand &amp; Clay</b>             | <b>34</b>  | <b>48</b>  |                        |      |    |
| <b>Yellow Sand &amp; Clay Streaks</b>     | <b>48</b>  | <b>71</b>  |                        |      |    |
| <b>Coarse Sand</b>                        | <b>71</b>  | <b>131</b> |                        |      |    |
| <b>Coarse Sand &amp; Small Pea Gravel</b> | <b>131</b> | <b>149</b> |                        |      |    |
| <b>Clay</b>                               | <b>149</b> | <b>158</b> |                        |      |    |
| IF MORE SPACE IS NEEDED, USE BACK         |            |            |                        |      |    |

