

**MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES**  
Bureau of Land and Water Resources

P.O. Box 10631  
Jackson, Mississippi 39209  
**WATER WELL DRILLERS LOG**

|  |       |  |
|--|-------|--|
| COUNTY WELL LOCATED<br><b>LAUDERDALE</b> |       | PERMIT NUMBER                                      |
| WELL NUMBER<br><b>F 2029</b>             | CODED | NAME OF DRILLING FIRM<br><b>McDONALD HILL INC.</b> |
| DATE WELL COMPLETED<br><b>10-16-86</b>   |       | <b>Meridian, MS</b>                                |

|  |             |                   |
|--|-------------|-------------------|
| NAME & MAILING ADDRESS OF LANDOWNER<br><b>DONNA POWELL</b>             |             |                   |
| <b>P.O. Box 146</b>  |             |                   |
| <b>Collinsville MS</b>   |             |                   |
| WELL LOCATION: SEC   | TOWNSHIP    | RANGE             |
| <b>17</b>  | <b>7</b>    | <b>14</b>         |
|  | <b>N</b>    | <b>E</b>          |
|  | <b>S</b>    | <b>W</b>          |
| DISTANCE   | DIRECTION   | NEAREST TOWN      |
| <b>3 1/2</b> Miles   | <b>WEST</b> | <b>SUCQUALENA</b> |
| OTHER LANDMARK   |             |                   |
| WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. |             |                   |

|   |                            |                                 |
|---|----------------------------|---------------------------------|
| PUMP DATA   |                            |                                 |
| PUMP TYPE (Circle One):<br><input checked="" type="radio"/> Submersible    Turbine    Jet    Flowing Well,<br>Other (Describe) _____        |                            |                                 |
| POWER TYPE (Circle One):<br><input checked="" type="radio"/> Electric    Tractor    Diesel    Gasoline    Butane,<br>Other (Describe) _____ |                            |                                 |
| Pump Capacity (GPM)<br><b>8</b>   | No. of Stages<br><b>22</b> | Setting Depth<br><b>280</b> FT. |
| PUMP TEST   |                            |                                 |
| Well yielded _____ GPM with<br>a drawdown of _____ ft.<br>after _____ hours of pumping  |                            |                                 |

|   |  |  |
|---|--|--|
| WELL DATA   |  |  |
| Well Depth<br><b>640'</b>   | Casing Diameter (In.)<br><b>4"</b>                   | Casing Length (Ft.)<br><b>370'</b>         |
| Type of Casing<br><b>PVC</b>  | Hole Depth<br><b>640'</b>                            | Depth to Static Water Level<br><b>241'</b> |
| TYPE OF COMPLETION: (Circle One or More):<br>Gravel Packed,    Underreamed,    Telescoped,<br>Natural Development,    Open Hole,    Other<br>(Describe) _____ |  |  |
| Top of Lap Pipe or Reduction in Casing  |  |  |
| FEET  | IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE |  |

|   |  |
|---|--|
| LOG DATA  |  |
| TYPE OF LOG RUN (Circle One):    No Log Run,<br>Electric, Gamma Ray, Density, Sonic, Neutron,<br>Other (Describe) _____ |  |
| Name of Organization Running Log  |  |

|                                    |                                       |                    |
|------------------------------------|---------------------------------------|--------------------|
| SCREEN DATA                        |                                       |                    |
| Diameter - Inches<br><b>2</b>      | Length - Feet<br><b>60'</b>           | Slot Size - Inches |
| Screen Type<br><b>SLOTTED PIPE</b> | Depth to Bottom - Feet<br><b>690'</b> |                    |

|                                 |               |                |              |
|---------------------------------|---------------|----------------|--------------|
| GEOLOGIC DATA (Office Use Only) |               |                |              |
| Surface Elev.                   | Geologic Unit | Unit Thickness | Depth to Top |
| Subs. SWL                       | Date          | Analysis       | Aquifer Test |
| Driller's Remarks               |               |                |              |
| <b>RECEIVED</b>                 |               |                |              |
| <b>OCT 21 1986</b>              |               |                |              |

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM       | TO         | FORMATIONS (Continued)                      | FROM | TO |
|---------------------------------------|------------|------------|---|------|----|
| <b>CLAY + SAND</b>                    | <b>0</b>   | <b>30</b>  | <b>Department of Natural Resources</b>      |      |    |
| <b>ROCK + SHALE</b>                   | <b>30</b>  | <b>90</b>  | <b>Bureau of Land &amp; Water Resources</b> |      |    |
| <b>SHALE</b>                          | <b>90</b>  | <b>185</b> |   |      |    |
| <b>SAND</b>                           | <b>185</b> | <b>304</b> |   |      |    |
| <b>SHALE</b>                          | <b>304</b> | <b>410</b> |   |      |    |
| <b>ROCK</b>                           | <b>410</b> | <b>411</b> |   |      |    |
| <b>SANDY</b>                          | <b>411</b> | <b>420</b> |   |      |    |
| <b>SHALE</b>                          | <b>420</b> | <b>520</b> | <b>220' = 2" PVC PIPE</b>                   |      |    |
| <b>SOFT SANDY SHALE</b>               | <b>520</b> | <b>585</b> | <b>1 = 4 X 2 SERL</b>                       |      |    |
| <b>FINE SAND</b>                      | <b>585</b> | <b>640</b> | <b>1 = 4 X 2 SHALE TRAP</b>                 |      |    |
| <b>ST SHALE</b>                       |            |            | IF MORE SPACE IS NEEDED, USE BACK           |      |    |