

**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><u>DeSoto</u>  |       |
| WELL NUMBER<br><u>E 2090</u>          | CODED |
| DATE WELL COMPLETED<br><u>5-30-96</u> |       |

0408

|  |
|--|
| PERMIT NUMBER<br><u>0408</u>                         |
| NAME OF DRILLING FIRM<br><u>Phosphate Well Serv.</u> |
| ADDRESS<br><u>194 Depot Rd</u>                       |
| <u>Lucedale MS 39452</u>                             |

|  |               |                      |
|--|---------------|----------------------|
| NAME & MAILING ADDRESS OF LANDOWNER<br><u>Dupree Maple</u>             |               |                      |
| <u>5138 Broome School Rd</u>   |               |                      |
| <u>Parkinson MS 39573</u>  |               |                      |
| WELL LOCATION  | SEC <u>29</u> | TOWNSHIP RANGE       |
| <u>Broom</u>   | <u>Q3</u>     | <u>T2 (S) R8 (W)</u> |
| DISTANCE   | DIRECTION     | NEAREST TOWN         |
| <u>4</u> Miles   | <u>SE</u>     | of <u>Bendall</u>    |
| OTHER LANDMARK<br><u>Broom School to Broome School Rd</u>              |               |                      |
| WELL PURPOSE (Home Irrigation, Municipal, Industrial, Fish Pond, etc.) |               |                      |

|  |              |                |
|--|--------------|----------------|
| PUMP DATA  |              |                |
| PUMP TYPE (Circle One):<br>Submersible, Turbine, <u>Jet</u> Flowing Well, Other (Describe)             |              |                |
| POWER TYPE (Circle One):<br>Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe) <u>H/P 1</u> |              |                |
| Pump Capacity (GPM)  | No of Stages | Setting Depth  |
| <u>10</u>  | <u>2</u>     | <u>80'</u> FT. |
| PUMP TEST  |              |                |
| Well yielded <u>8 1/2</u> GPM with a drawdown of <u>10'</u> ft. after <u>12</u> hours of pumping       |              |                |

|   |                                   |   |
|---|-----------------------------------|---|
| WELL DATA   |                                   |   |
| Well Depth<br><u>175</u>  | Casing Diameter (In)<br><u>2"</u> | Casing Length (Ft.)<br><u>165'</u>        |
| Type of Casing<br><u>PVC</u>  | Hole Depth<br><u>175</u>          | Depth to Static Water Level<br><u>85'</u> |
| TYPE OF COMPLETION: (Circle One or More):<br>Gravel Packed, Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe) <u>air lift</u> |                                   |   |
| WELL GROUTED TO A DEPTH OF <u>20</u> FEET<br>Type Grout (circle one): Cement, Bentonite, or Mix   |                                   |   |

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

|                                |                                      |                                 |
|--------------------------------|--------------------------------------|---------------------------------|
| SCREEN DATA                    |                                      |                                 |
| Diameter - Inches<br><u>2"</u> | Length - Feet<br><u>10'</u>          | Slot Size - Inches<br><u>#8</u> |
| Screen Type<br><u>wrapped</u>  | Depth to Bottom - Feet<br><u>175</u> |                                 |

|   |               |                |              |
|---|---------------|----------------|--------------|
| GEOLOGIC DATA (Office Use Only)                           |               |                |              |
| Surface Elev.   | Geologic Unit | Unit Thickness | Depth to Top |
| Subs. SWL   | Date          | Analysis       | Aquifer Test |
| Driller's Remarks   |               |                |              |
| Top of Lap Pipe or Reduction in Casing                    |               |                |              |
| FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE |               |                |              |

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM       | TO         | DESCRIPTION OF FORMATIONS (Continued) | FROM | TO |
|---------------------------------------|------------|------------|---------------------------------------|------|----|
| <u>Top Soil</u>                       | <u>0</u>   | <u>5</u>   |                                       |      |    |
| <u>Shale</u>                          | <u>5</u>   | <u>20</u>  |                                       |      |    |
| <u>Poor Sand + Clay</u>               | <u>20</u>  | <u>35</u>  |                                       |      |    |
| <u>Clay</u>                           | <u>35</u>  | <u>50</u>  |                                       |      |    |
| <u>Blue Clay</u>                      | <u>50</u>  | <u>120</u> |                                       |      |    |
| <u>Streaky Sand + Clay</u>            | <u>120</u> | <u>140</u> |                                       |      |    |
| <u>Washed Sand</u>                    | <u>140</u> | <u>160</u> |                                       |      |    |
| <u>Med Blue Sand</u>                  | <u>160</u> | <u>175</u> |                                       |      |    |
|                                       |            |            |                                       |      |    |
|                                       |            |            |                                       |      |    |
|                                       |            |            |                                       |      |    |
|                                       |            |            |                                       |      |    |

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MAY 30 1996

Dept. of Environmental Quality  
Office of Land & Water Resources

IF MORE SPACE IS NEEDED, USE BACK