**WELL RECORD**

### Agency Code
- **ULS1G1S**

### Site Id
- **1345710108953591011**

### Project No.
- **54111111111**

### Station Name
- **Pleasant Hill**

### Latitude
- **34571077**

### Longitude
- **108953591**

### Location Map
- **Pleasant Hill 111**

### Altitude
- **355**

### Water Use
- **Primary Lateral**

### Well Use
- **Primary Lateral**

### Water Level Date
- **12/5/1991**

### Well Depth
- **212.1**

### Water Level
- **34.1**

### Water Level Date
- **4/1/1991**

### Date of Construction
- **2/24/1991**

### Construction Date
- **2/24/1991**

### Contractor
- **Name SW WETR**

### Method
- **6511**

### Finish
- **6610**

### Construction Casing Data
- **Top/Depth 12521 824 684 851**
- **Bottom/Depth 12741 874 851**
- **Diameter 10451**

### Construction Openings Data
- **Top/Depth 12521 824 684 851**
- **Bottom/Depth 12741 874 851**
- **Diameter 10451**

### Construction Lift Data
- **Lift Date 2/10/1991**
- **Intake 2/10/1991**

### Miscellaneous Owner Data
- **Date of Ownership 1/1/1994**
- **Owner Name LW**

### Miscellaneous Other ID Data
- **E-Log No. 71841**
- **Assignor**

---

**Notes:**
- **Instructions:**
  - **Remarks:**
  - **Rel.:**
  - **File:**

---

**U.S. GEOLOGICAL SURVEY**

**WATER RESOURCES DIVISION**

**MISSISSIPPI DISTRICT**

**Well No. G76**

**County:**

**DE 5070**

**Date:**

**1/1/1994**

---

**DOH# 1170016-04**
| Date of Measurement | Acquifer Sampled | Temo | Value | Date of Measurement | Acquifer Sampled | So Cond | Value | Date of Measurement | Acquifer Sampled | OH | Value |
|---------------------|------------------|------|-------|---------------------|------------------|---------|-------|-------|---------------------|------------------|----|-------|
| 1994                | 7316             |      |       | 1995               | 7316             |         |       | 1974               |                   |    |       |
| 1994                | 7316             |      |       | 1995               | 7316             |         |       | 1974               |                   |    |       |
| 1994                | 7316             |      |       | 1995               | 7316             |         |       | 1974               |                   |    |       |

**MISCELLANEOUS LOGS DATA**

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<tr>
<th>Loc Tvoe</th>
<th>Beg. Depth</th>
<th>End Depth</th>
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<tbody>
<tr>
<td>1994</td>
<td>2001</td>
<td>2014</td>
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<tr>
<td>1994</td>
<td>2001</td>
<td>2014</td>
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**MISCELLANEOUS NETWORK DATA**

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<th>Sec. Year</th>
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<th>Agency Source</th>
<th>Freq.</th>
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<td>1164</td>
<td>1177</td>
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<tr>
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<td>1177</td>
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**MISCELLANEOUS REMARKS DATA**

<table>
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<td>1844</td>
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**DISCHARGE DATA**

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<tr>
<th>Pump/Flow</th>
<th>Date</th>
<th>Tvoe</th>
<th>Discharge</th>
<th>So. Capacity</th>
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<td>147#1</td>
<td>1854</td>
<td>7073</td>
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**GEOHYDROLOGIC DATA**

<table>
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<th>Depth Bot.</th>
<th>Unit ID</th>
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<td>574</td>
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**HYDRAULIC DATA**

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<th>Unit Tested</th>
<th>Value</th>
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<td>103</td>
<td>1034</td>
</tr>
</tbody>
</table>

(3310d e 1000 gpm)
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
DESOLO

WELL NUMBER CODE
004 1

DATE WELL COMPLETED
OCT 1997

NAME OF DRILLING FIRM
J.W. WEBB & SONS, INC.

NAME & MAILING ADDRESS OF LANDOWNER
PLEASANT HILL W.A.
8590 PLEASANT HILL DR.
OLIVE BRANCH MS 38654

WELL LOCATION:
SEC 12 TOWNSHIP S RANGE W

DISTANCE
4 Miles

DIRECTION
SOUTH

NEAREST TOWN
OLIVE BRANCH

OTHER LANDMARK

OTHER LANDMARK

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.

PUMP DATA
PUMP TYPE (Circle One):
Submersible, Turbine, Jet, Flowing Well, Other (Describe)

POWER TYPE (Circle One):
Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe)

Pump Capacity (GPM)
1000

No. of Stages
3

Setting Depth
200 FT.

PUMP TEST
Well yielded 1000 GPM with a drawdown of 33 ft. after 12 hours of pumping

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

Name of Organization Running Log
MISS. BUREAU OF GEOLOGY

GEOLOGIC DATA (Office Use Only)

Surface Elev.: 0
Geologic Unit: 0
Unit Thickness: 0
Depth to Top: 0

Subs. SWL: 0
Date: 0
Analysis: 0
Aquifer Test: 0

Driller’s Remarks
RECEIVED

SCREEN DATA

Diameter - Inches
10

Length - Feet
40

Slot Size - Inches
.045

Depth to Bottom - Feet
292

DESCRIPTION OF FORMATIONS ENCOUNTERED

<table>
<thead>
<tr>
<th>FORMATION</th>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED CLAY</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>SAND &amp; GRAVEL</td>
<td>30</td>
<td>95</td>
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<tr>
<td>WHITE SAND &amp; CLAY</td>
<td>95</td>
<td>170</td>
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<tr>
<td>SAND, STRATA 3 CLAY</td>
<td>170</td>
<td>245</td>
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<td>SAND</td>
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<td>295</td>
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<tr>
<td>SANDY CLAY</td>
<td>295</td>
<td>300</td>
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</table>

FORMATIONS (Continued)

IF MORE SPACE IS NEEDED, USE BACK

Office of Land & Water Resources
APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE
THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

This application is for (circle one): GROUNDWATER SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Industrial
Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby
Fire Protection Flood Protection Other:

LANDOWNER:

Pleasant Hill Water Association, Inc. 62-0753353
(Name) (S/S or Tax ID No.)
8590 Pleasant Hill Road
(Address) 601 895-5135
(State and Zip) (Telephone Number)

APPLICANT, AGENT, OR LESSEE (If different from Landowner):

(Name) (S/S or Tax ID No.)

(Address) (City)

(State and Zip) (Telephone Number)

Location of diversion/withdrawal point (A suitable location map must accompany this application):

SP 1/4 of the NW 1/4 of Section 1 Township 2S Range 7W County DeSoto

Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]:)

(a) ___________ acre-foot per year at a maximum rate of ___________ gallons per minute

(b) ___________ million gallons per day at a maximum rate of ___________ gallons per minute

(c) ___________ acre feet of storage at normal pool

(d) ___________ per ___________ at a maximum rate of

Construction of proposed work will begin on (date) [April 19, 1996] and will be completed by (date) [June 19, 1996].

Water will be used from (month) January to (month) December each year.

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? [YES] [NO]

If yes, describe the nature and amount of any additional supply and, if applicable, list permit numbers.

200 GPM well - MSGW 02185; 200 GPM well - MSGW 02186; 500 GPM well - MSGW 7638

SECTION A (to be completed if application is for surface water source)

1. Source of water is from ___________ which drains into ___________ which drains into ___________.

2. Description of pump/diversion works:

(a) Pump (size and type): ___________ Power Unit (size and type): ___________.

Lift: ___________ feet Maximum capacity: ___________ gallons per minute.

(b) Name of storage reservoir: ___________ Dam height: ___________ feet.


(Continued on back)
SECTION B (To be completed if application is for groundwater source)

1. Source of water is __________ aquifer.

2. Description of proposed water well:
   (a) DEPTH OF WELL: 300 feet
   (b) SURFACE CASING: Length: __ __ __ feet, Diameter: 14 inches, Type: Steel
   (c) SCREEN: Length: 40 feet, Diameter: 8 inches, Type: Stainless Steel
   (d) PUMP: Type: __ __ __ Size: __ __ __, Capacity: 750 gallons per minute
   Number of stages: __ __ __ Setting depth: __ __ __ feet
   (e) POWER UNIT: Type: Electric Motor Size: __ __ __ horsepower
   (f) TYPE OF COMPLETION: Gravel Pack

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

<table>
<thead>
<tr>
<th>TOWN</th>
<th>RANGE</th>
<th>SECTION</th>
<th>NE1/4</th>
<th>NW1/4</th>
<th>SW1/4</th>
<th>SE1/4</th>
<th>TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice __ __ __; Cotton __ __ __; Soybeans __ __ __; Com __ __ __; Pasture __ __ __; Truck __ __ __; Wheat __ __ __; Oats __ __ __; Grain sorghum __ __ __; Other (specify) __ __ __ Acres __ __ __

2. FISH CULTURE: Explain how water will be used:

   How often will reservoir(s) be emptied and refilled?

3. MUNICIPAL, OR WATER ASSOCIATION
   Choose "a" or "b". (a) The number of people served is __ __ __
   (b) The number of connections/customers is __ __ __
   What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years? 0.52 MG (Volume) 2001: __ __ __ 0.78 MG (Volume) 2006: __ __ __ 1.17 MG (Volume) 2011: __ __ __ 1.76 MG (Volume) 2016: __ __ __ (Year)

4. INDUSTRIAL: If water is to be released into a watercourse, indicate the amount released each year.
   Rate of release __ __ __; Location of release point in reference to diversion/withdrawal point __ __ __; Explain any change in quality of water to be released: NPDES Permit No. __ __ __

   Explain how water will be used:
   How much groundwater will be used for once-through non-contact cooling?

5. RECREATION: Explain how water will be used:

6. OTHER USE: Explain in detail:

REMARKS:

List below the person to be contacted for additional information if required:

David G. Daniels, PE
(Please)
P.O. Box 308
(Address)
Oxford, MS 38655
(Chris, State, Zip)
601-234-1763
(Toll-Free)

The accompanying map is hereby declared a part of this application. The TEN DOLLAR ($10.00) permit fee is enclosed herewith.

Subscribed and sworn to before me this 8th day of March 1996, at Oxford
County of Lafayette
My commission expires January 11, 1997
Notary Public

(Signature)
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Bishop & Grantham       DATE: 7/24/96

UNIT DEQ #:                          FILE #: B072419A

HEALTH DEPT. #: 170016-04 New Well   ELEV. __________

USGS #: G76  OLWR #: MS-GW-15069

OWNER: Pleasant Hill Water Assoc.    QUAD: Pleasant Hill

LOCATION: New/Well S 25 R 7W       COUNTY: Desoto

LOCATION DESCRIPTION: ____________________________

CASING DIA: 16"  PUMP TYPE & SIZE: None Yet New

GPS FIELD LOCATION: LAT. 34°54.36.9"   LONG. 89°53.59.7"

GPS CORRECTED LOCATION: LAT. 34.94360204 "   LONG. 89.89994594 "

REMARKS: ________________________________

______________________________