GW01871  DOH #17009-02 30C
see note on attached sheet
Well No. L 54

U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE
MST MASTER CARD

Recorded by: MAH
Source of data: BOWIC
Date: 8/14/75
Map: Hernando

State: MI
County: 28
Township: 76
Range: 1

Latitude: 34° 59' 10" N
Longitude: 80° 45' 10" W

Local number: M

Owner or name: Hernando, MS.

Use of Well:
- Water: (a) fire, (b) irrigation, (c) industrial, (d) mining, (e) geothermal, (f) geothermal, (g) other
- Oil-Gas: (a) production, (b) injection, (c) other
- Recharge: (a) natural, (b) artificial, (c) other
- Other: (a) mining, (b) other

Data Available:
- Well data: yes
- Freq. W/L: yes
- Field aquifer chart: yes

Hyd. lab. data: yes

Qual. water data: type:

Freq. sampling: yes

Pumpage inventory:
- Manual: no
- Automatic: yes

Aperture cards: yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well: 27.5 ft

Casing:
- Type: steel
- Size: 3 in

Finish:
- Porous gravel, w. gravel, w. horiz. open perfor., screen, dr. pt., shored, open hole

Method:
- Air bored, cable, auger, jetted, air reverse trenching, driven, drive rot., percussion, rotary, other

Drilled: 4/11/75

Driller:
- G. Smith

Lift:
- Type: air, bucket, cent., jet.

Power:
- Type: diesel, electric, gas, gasoline, hand, gas, wind, H.P.

Descrip. HP:
- Trans. or meter no.: 40

Alt. LSD:
- Above: 340 ft above ground level

Water level:
- Above: 28.5 ft above M.P., 11.5 ft below LSD

Date:
- Mean: 4/11/75

Yield:
- GPM: 50.0

Drawdown:
- Turbidity:

QUALITY OF WATER:
- Iron:
- Sulfate:
- Chloride:
- Sp. Conduct:

Taste, color, etc.:
**HYDROGEOLOGIC CARD**

<table>
<thead>
<tr>
<th><strong>Parameter</strong></th>
<th><strong>Value</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Well No.</strong></td>
<td>L54</td>
</tr>
<tr>
<td><strong>Latitude-longitude</strong></td>
<td>N 0°30'10&quot;W 2°26'56&quot;</td>
</tr>
<tr>
<td><strong>Physiographic Province</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Drainage Basin</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Section</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Subbasin</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Topo of well site</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Main Aquifer</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Minor Aquifer</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Lithology</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Length of well open to</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth to top of</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Thickness</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Intervals Screened</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth to consolidated rock</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Depth to basement</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Surficial material</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Coefficient Trans.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Coefficient Perm.</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Updated**

**U.S. GOVERNMENT PRINTING OFFICE: 1973-730-617/395 3-1**
**Water Well Drillers Log**

**Date Well Completed:** 4-17-75

**Well Name:** De Lato

**Landowner:**

<table>
<thead>
<tr>
<th>Description of Formations Encountered</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red sand &amp; gravel</td>
<td>0'</td>
<td>17'</td>
</tr>
<tr>
<td>Rock</td>
<td>17'</td>
<td>19'</td>
</tr>
<tr>
<td>Fine White Sand</td>
<td>19'</td>
<td>47'</td>
</tr>
<tr>
<td>Blue Clay</td>
<td>47'</td>
<td>63'</td>
</tr>
<tr>
<td>Grav Sand</td>
<td>63'</td>
<td>65'</td>
</tr>
<tr>
<td>Blue Clay</td>
<td>65'</td>
<td>96'</td>
</tr>
</tbody>
</table>

**Well Location:**

- **Sec:** 10, **T:** 3, **N:** 5
- **Miles:** 156
- **Direction:** E
- **Nearest town:** Rock

**Well Purpose:**

- Home, Irrigation, Municipal, Industrial

**Well Completion Data:**

1. **Diameter (inches):** 10"  
2. **Total Depth (feet):** 385'  
3. **Static Water Level:** 162'  
4. **Top of Ground:** 132'  
5. **Casing (Material):** Steel  
6. **Screen (Length):** 6'  
7. **Screen (Depth to Top):** 6'  
8. **Screen (Material):** Stainless Steel  
9. **Pump (HP):** 40  
10. **Electricity (Type):**  
11. **Electric Log (Year or No):** USGS  
12. **How Well Bottom Plugged:** Plugged

**Remarks:**
### SECTION A (to be completed by ALL APPLICANTS)

**LANDOWNER:**
City of Hernando
646 6000440

190 Commerce Street
Hernando MS 38632 (601) 429-9092

**APPLICANT, AGENT, OR LESSEE** (if different from Landowner):

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

**Mississippi Department of Health NO.:** No. 17120054

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### SECTION B (to be completed for GROUNDWATER SOURCE)

1. **AQUIFER:** Memphis 
   **MISSISSIPPI DEPARTMENT OF HEALTH NO.:** No. 17120054

2. Proposed work will begin on __________, 19 __________, and will be completed by __________, 19 __________.
   If well has already been drilled, when was well completed (date): __________, 19 __________. Under whose name was well originally drilled (if known)?

3. Description of proposed or completed well:
   - **DEPTH OF WELL:** 312 feet
   - **SURFACE CASING:** Length 254 feet; Diameter 10 inches; **Type coated steel**
   - **SCREEN:** Length 52 feet; Diameter 6-5/8 inches; **Type stainless steel**
   - **PUMP:** Type unknown; Size unknown; Capacity 500 gallons per minute; Setting depth 100 feet
   - **POWER UNIT:** Type electric; Size unknown horsepower

4. **PERMITTED VOLUME:**
   - (a) 270 feet per year at a maximum rate of __________ gallons per minute
   - (b) 270 million gallons per day at a maximum rate of __________ gallons per minute

(Continued on back)
SECTION C (to be completed for SURFACE WATER SOURCE)
1. Source of water is from ______________________ which drains into ______________________

   (major stream or river)

2. Description of pump/diversion works:
   Pump (size & type): __________________ Power Unit (size & type): __________________
   Lift: __________________ feet Maximum capacity: __________________ gallons per minute

3. __________________ acre-feet per year at a maximum rate of __________________ gallons per minute

SECTION D (to be completed for SURFACE WATER IMPOUNDMENTS (DAMS) on continuously flowing streams)
1. Name of storage reservoir: __________________ Dam Height: __________________ feet

2. Surface area at normal pool: __________________ Storage capacity at normal pool: __________________ acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)
1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice: ________; Cotton: ________; Oats: ________; Corn: ________; Soybeans: ________; Pasture: ________; Truck: ________; Wheat: ________; Grain Sorghum: ________;

   Other (specify) ________ Acres ________

   A. Method of Irrigation (circle one) - Center Pivot Flood Furrow

   B. Land Condition (circle one) - Precision Land Formed Smoothed

   C. ASCS Farm No. ________ Tract No. ________

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

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

3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM
   Chose "a" or "b". (a) The number of people served is __________ or (b) The number of connections 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 (20) years?


   (Volume) (Volume) (Volume)

   2016

   (Year) (Year) (Year)

4. INDUSTRIAL: If the water is to be released into a watercourse, indicate the amount released each year __________

   Rate of release __________ NPDES Permit No. __________

   Explain any changes in quality of water to be released:

   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 (if needed, attach another page):

7. REMARKS: __________________________

   The above information is all that is available. The consumption figures are for all three wells in city.

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

Daniel L. Murphy __________________

(Name)

P.O. Box 587 __________________

(Address)

Hernando, MS 38632 __________________

(City, State, Zip)

601-429-1312 __________________

(Telephone)

The accompanying map is hereby declared a part of this application.

For irrigation and fish culture use, an ASCS photograph is required.

The TEN DOLLAR ($10.00) permit fee is enclosed herewith.

(Signature)

Subscribed and sworn to before me this 31st day of Jan., 1996, at Hernando, County of DeSoto.

My commission expires 6-30-97 __________________

Notary Public.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): SHR + PEG  DATE: 7/23/96
UNIT DEQ #:  FILE #: B072321C
HEALTH DEPT. #: 170009 - 02  ELEV.
USGS #: * L54  OLWR #: Gw1871
OWNER: Town of Hernando  QUAD: Hernando
LOCATION: S 18 T 38 R 7W  COUNTY: DeSoto
LOCATION DESCRIPTION:

CASING DIA:  PUMP TYPE & SIZE:

GPS FIELD LOCATION: LAT. 34°49’39.3"  LONG. 89°58’37.7"
GPS CORRECTED LOCATION: LAT. 34°49’39.3"  LONG. 89°58’37.7"

REMARKS:

* Note: -02 originally matched L2, L2 is no longer used & I think they have moved the tag to L54. That, or L54 has never been given a tag.
### Water Well Field Data Form

**USGS Well No.** L-2  
**County** Desert  
**T**  
**R**  
**S** 1/4  1/4  1/4

Local Well Name  
**Owner** Hernandez  
**Date** 6/23/94  
**Party** JG SHB PEEG  
**OLWR Permit No.** MS-GW-  
**Quad Map** Hernandez  
**Health Department (PWS) Tag No.** 120009-02  
**GPS File No.** D062719A  
**Elevation** 390 ft.

**Measuring Point**

Previous Water Level 160.77 ft.  
**Date** 10/30/89

<table>
<thead>
<tr>
<th>Tape down no.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<tr>
<td>Time</td>
<td>21:56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Held</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wet</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Difference</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MP Correction</td>
<td></td>
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<tr>
<td>Water Level</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>WL corr. to MSL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Provide sketch of location and/or measuring point on back if necessary.

**Remarks:**  
**Corrected GPS:** 34.82785721 89.97845809

**Lat:** 34° 49' 39.3  
**Lon:** 34° 49' 39.4  
**Lon:** 89° 58' 42.7  
**Lon:** 89° 58' 37.7'
<table>
<thead>
<tr>
<th>PWS Well ID No.</th>
<th>Date of Construction</th>
<th>Well Depth</th>
<th>Casing diam.</th>
<th>Type pump</th>
<th>Pumping Rate</th>
<th>Average time of daily operation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0170009-01</td>
<td>1954</td>
<td>345 ft.</td>
<td>8 in.</td>
<td>TURBINE</td>
<td>500 gpm</td>
<td>3 hrs.</td>
<td></td>
</tr>
<tr>
<td>0170009-02</td>
<td>1960</td>
<td>300 ft.</td>
<td>10 in.</td>
<td>TURBINE</td>
<td>450 gpm</td>
<td>2 hrs.</td>
<td></td>
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<tr>
<td>0170009-03</td>
<td>1968</td>
<td>300 ft.</td>
<td>10 in.</td>
<td>TURBINE</td>
<td>800 gpm</td>
<td>4 hrs.</td>
<td></td>
</tr>
</tbody>
</table>

Copy this form if you have more than 5 wells
Mississippi Department Of Environmental Quality  
Office of Land and Water Resources  

Water Supplier Information Sheet

<table>
<thead>
<tr>
<th>Name of Water System</th>
<th>CITY OF HERNANDO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address</td>
<td>P.O. BOX 362</td>
</tr>
<tr>
<td>City</td>
<td>HERNANDO</td>
</tr>
<tr>
<td>County</td>
<td>DESOTO</td>
</tr>
<tr>
<td>Zip</td>
<td>38632</td>
</tr>
<tr>
<td>Health Department (Public Water Supply) ID Number</td>
<td>0170009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Owner</th>
<th>ED GALE, MAYOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>475 W COMMERCE ST</td>
</tr>
<tr>
<td>City</td>
<td>HERNANDO</td>
</tr>
<tr>
<td>County</td>
<td>DESOTO</td>
</tr>
<tr>
<td>Zip</td>
<td>38632</td>
</tr>
</tbody>
</table>

**Water Superintendent/Operator**

<table>
<thead>
<tr>
<th>Name</th>
<th>HOWARD BROWN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>2195 THOUSAND OAKS DR</td>
</tr>
<tr>
<td>City</td>
<td>HERNANDO</td>
</tr>
<tr>
<td>Zip</td>
<td>38632</td>
</tr>
<tr>
<td>Work Phone</td>
<td>429-9509</td>
</tr>
<tr>
<td>Home Phone</td>
<td>429-2110</td>
</tr>
<tr>
<td>MSDH Certification Number</td>
<td>C02111</td>
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**Secretary/Treasurer/Bookkeeper**

<table>
<thead>
<tr>
<th>Name</th>
<th>JANNETT RILEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>475 W COMMERCE ST</td>
</tr>
<tr>
<td>Work Phone</td>
<td>429-9092</td>
</tr>
<tr>
<td>Home Phone</td>
<td></td>
</tr>
</tbody>
</table>

**System Information**

How many usable sources of water (wells for groundwater systems, purchase points if buying water, etc.) does this system have? Wells: 3, Purchase Points: 0

How many active connections on this system? 1437

How many people does this system serve? 4320

How many gallons of water did this system pump during the 1993 calendar year (Jan - Dec)? 105,361,600 gal.

How many gallons of water did this system sell during the 1993 calendar year (Jan - Dec)? 0 gal.

How many gallons of water did this system purchase during the 1993 calendar year (Jan - Dec)? 0 gal. From whom?

Name of individual completing this form: ROBYN PRESSLEY

Phone Number: Work 429-9509, Home ____________

Compete this form once for each Water System.