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

**MASTER CARD**
- **Record by:** J. Harrell
- **Source of data:** Bowe
- **Date:** 7/29/68
- **Map:**
- **State:** 218
- **County:** Kemper
- **Sequential number:** 1
- **Latitude:** N 32° 24' 54.9"
- **Longitude:** W 91° 08' 28.13"
- **Lat-long accuracy:** 128 00' 15"
- **Local well number:** K19
- **Local use:** 056
- **Owner or name:** M.Deilde L.B. Co
- **Address:** Electric Mills, Ms

**Ownership:**
- County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist

**Use of water:**
- (A) Air cond, Bottling
- (C) Devater, Power, Fire
- (D) Beach, Irr, Med, Ind, P.S. Rec.
- (E) Stock, Inst, Unused, Repressure
- (F) Recharge, Desal-F.S., Desal-other

**Well:**
- (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed

**WELL-DESCRIPTION CARD**
- **Depth well:** 174 ft
- **Casing type:** 13.78 in
- **Casing size:** 3 in
- **Finish:** concrete, perforated, screen, sd., shored, open
- **Method:** reverse trenching, driven, drive rot., percussion, rotary
- **Drilled:** 7/65
- **Pump intake setting:** 172.5 ft
- **Lift:** (A) air, bucket, cent, jet, (cent.) (turb.)
- **Power:** LP diesel, elec, gas, gasoline, hand, gas, wind
- **Descrip. HP:** Trans. or meter no.
- **Alt. LSD:** ft below LSD
- **Water Level:** ft above below HP: Fy below LSD: 35
- **Yield:** 8 gpm
- **Drawdown:** ft
- **Accuracy:**
- **Method determined:**
- **QUALITY OF WATER DATA:**
  - **Iron:** ppm
  - **Sulfate:** ppm
  - **Chloride:** ppm
  - **Sp. Conduct:** K x 10
- **Temp.:** °F
- **Date sampled:**
- **Taste, color, etc.: Salty**
HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: K3

Drainage Basin: 0-3

Section: 0-3

Sub-basin: 13-8

Topo of well site:

- Depression, stream channel, dunes, flat, hilltop, sink, swamp
- Offshore, pediment, hillsle, terrace, undulating, valley flat

MAJOR AQUIFER:

System: K3

Series: 1-3-8

Lithology: US

Length of well open to: 60' + 78' ft

Depth to top of: 1300 ft

Thickens: 138 ft

MINOR AQUIFER:

System: 1

Series: 1-3-8

Lithology: 1

Length of well open to: 500 ft

Depth to top of: 1300 ft

Thickens: 138 ft

Intervals Screened: 2 inch in 6-1/4...

Depth to consolidated rock: 138 ft

Depth to basement: 138 ft

Infiltration characteristics: 70 - 71

Coefficient: 500 ft

Trans. Coefficient: 500 ft

Storage: 70 - 71

Coefficient: 500 ft

Spec. Capacity: 500 ft

Number of geologic cards: 3

2 8 miles NW 4th Parallel

Black dirt 0 - 146

Lime 146 - 1005

Sandy 1005 - 1065

Shale 1065 - 1300

Sandy 1300 - 1378

Open to both Eutaw and McShan but latter is probably the major aquifer?

QW will be a mixture.

WL - 60 ft (rpt) 1965
- 35 ft (meas, 1970
# WATER WELL DRILLERS LOG

**Date:** 7/1, 1965  
**Driller:** Terry  
**County:** L主板

<table>
<thead>
<tr>
<th>Owner of Land:</th>
<th>Description &amp; Color of Materials</th>
<th>Thickness Feet</th>
<th>Depth Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>McDade &amp; BRC</td>
<td>Black Dirt</td>
<td>0</td>
<td>146</td>
</tr>
<tr>
<td>Electric Hills, Miss.</td>
<td>Lime</td>
<td>146</td>
<td>1005</td>
</tr>
<tr>
<td>(Address)</td>
<td>Sandy</td>
<td>1005</td>
<td>1065</td>
</tr>
<tr>
<td>2/2/11/18</td>
<td>Shale &amp; Rocky</td>
<td>1065</td>
<td>1300</td>
</tr>
<tr>
<td>1/4, 1/4, Sec. T R</td>
<td>Sand - Gravel</td>
<td>1300</td>
<td>1378</td>
</tr>
</tbody>
</table>

**Distance:** 28 miles  
**Direction:** North of Madison  
**Nearest Town:**

<table>
<thead>
<tr>
<th>Topography:</th>
<th>Purpose of Well:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Hilly)</td>
<td>Industrial</td>
</tr>
</tbody>
</table>

**Information upon completion of well:**

<table>
<thead>
<tr>
<th>(1) Diameter</th>
<th>4.2 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) Total Depth</td>
<td>1318 feet</td>
</tr>
<tr>
<td>(3) Water Level</td>
<td>60 feet below top of ground</td>
</tr>
<tr>
<td>(4) Cased to</td>
<td>174'</td>
</tr>
<tr>
<td>(5) Size</td>
<td>4'</td>
</tr>
<tr>
<td>Screen</td>
<td>No</td>
</tr>
<tr>
<td>Screen Length</td>
<td>50'</td>
</tr>
<tr>
<td>Pipe in Bottom of Well</td>
<td>2'</td>
</tr>
<tr>
<td>(6) Were any formations sealed against pollution?</td>
<td>Yes, No</td>
</tr>
</tbody>
</table>

**If YES depth of formation:**

**Why:**

**Drillers Remarks:** Salty

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Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson, Miss.