U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY

WELL SCHEDULE

MASTER CARD

Record by: R. E. Taylor
Driller: 
Date: 10-11-63

State: Miss.
County: Lamar

Latitude: 31°25'0.4" N
Longitude: 93°21'22.1" W

Well number: 037
Owner or name: SUMRALL
Address: SUMRALL, MISS.


DATA AVAILABLE:
- Well data: Yes
- Freq. W/L meas.: Original
- Field aquifer chart: Yes

Hyd. lab. data:

Qual. water data:
- Type: 3-31-64 USGS

Freq. sampling:
- Original: Yes
- Pumage inventory: Yes
- Period: Yes

PERCUT CARD:

Log data:
- E log drillers log: E D

WELL DESCRIPTION CARD

SAME AS MASTER CARD

Depth well: 382 ft
Casing:

Finish:
- Porous gravel w. gravel v. hole, open perf., screened, shored, bolted, other
- Reverse trenching, driven, drive, other

Drilled:
- Air bored, cable, dug, jetted, air, rotary, percussion, rotary, other

Date Drilled:
- 10-9-63

Pump intake setting:

Driller:
- C. O. T. L. S.

Power:
- Diesel, Jet, Gas, Gasoline, Hand, Gas, Wind, H.P.

Descrip. NP:
- 15

Alt. LSD:

Water level:
- 76 above
- 76 above NP
- 76 below NP
- 76 below LSD

Date meas.:
- 10-16-63
- 10-16-63
- Yield: 250 gpm
- 12-30 Method determined

Drawdown:
- 11 ft

QUALITY OF WATER DATA:
- Iron: 0.05 ppm
- Sulfate: 0.0 ppm
- Chloride: 3.2 ppm
- Hard.: 10 ppm
- Sp. Conduct: 47 mhos x 10⁻⁴
- Temp.: 68°F
- 16:3 Data sampled 3-31-64

Taste, color, etc.: Clear
HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: Coastal Plain
Section: East Gulf

Drainage Basin: 13N

Top of well site: Offshore, pediment, hillside, terrace, undulating, valley flat

Major Aquifer: Tertiary, Miocene

Lithology: Unconsolidated sand

Length of well open to: 60 ft

Depth to top of: 290 ft

Minor Aquifer: system

Lithology: 

Length of well open to: 

Depth to top of: 

Intervals Screened: 308 - 363 ft

Depth to consolidated rock: 

Source of data: 

Depth to basement: 

Source of data: 

Surficial material: Sandy Unconsolidated

Infiltration characteristics: 

Coefficient Trans: 600 gpd/ft

Coefficient: 860 gpd/ft²

Permeability: 

Spec cap: 24 gpm/ft

Number of geologic cards: 

(location on sched)

This is last well #2 made into city well.

0 - 21: Hard chalk
21 - 144: Sand w/ shale interbeds
144 - 286: Shale
144 - 294: Sandy silt
294 - 313: Sandy silt w/ shale interbeds
313 - 332: Compressible shale
332: Hard chalk

GPO 857-700
### WATER WELL DRILLERS LOG

**Date:** 9-24-53  
**Driller:**  
**County:** Lamar  
**Operation:** Municipal

#### Owner of Land: Town of Sumrall

**Address:** Sumrall, Mississippi

#### Location:

- **NE 1/4, NE 1/4, Sec. 7, T 5 N, R 5 W**
- **Distance:** miles
- **Direction:** SSW
- **Nearest Town:** Sumrall

#### Topography: Hilly

#### Purpose of Well: Municipal

**(Domestic, Irrigation, Municipal, Industrial, Other)**

#### Description & Color of Materials:

<table>
<thead>
<tr>
<th>Description</th>
<th>Thickness Feet</th>
<th>Depth Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Clay</td>
<td>16' 16'</td>
<td></td>
</tr>
<tr>
<td>Fine Sand w/ Strks. Clay</td>
<td>51' 67'</td>
<td></td>
</tr>
<tr>
<td>Med. to Coarse Sand</td>
<td>17' 84'</td>
<td></td>
</tr>
<tr>
<td>Soft White Shale or Chalk</td>
<td>80' 264'</td>
<td></td>
</tr>
<tr>
<td>Fine Sand</td>
<td>61' 325'</td>
<td></td>
</tr>
<tr>
<td>Medium Sand</td>
<td>11' 336'</td>
<td></td>
</tr>
<tr>
<td>Rock</td>
<td>2' 836.5-2'</td>
<td></td>
</tr>
<tr>
<td>Blue Shale</td>
<td>57' 40' 394'</td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td>23' 417'</td>
<td></td>
</tr>
<tr>
<td>Sand w/ Strks. Shale</td>
<td>8' 425'</td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td>15' 440'</td>
<td></td>
</tr>
<tr>
<td>Sandy Shale w/ Strks. Shale</td>
<td>43' 483'</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td>10' 502'</td>
<td></td>
</tr>
</tbody>
</table>

#### Information upon completion of well:

1. **Diameter:** 10 inches.
2. **Total Depth:** 370 feet.
3. **Water Level:** 74 feet below top of ground.
4. **Cased to:** 304', **Size:** 10"
5. **Screen:** **Size:** 6", **Length:** 60'-1"
6. **Were any formations sealed against pollution?**
   - **Yes:** Yes, **No:** No.

**If YES depth of formation, Casing Cement ed.**

**Why:**

**Drillers Remarks:**

- **Electric log #58**

(Use Back Side)

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Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson, Miss
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

SUMTALL Quad

USER NAME(S): Bishop + Hornbeck
DATE: 7-15-94

UNIT DEQ #: 82555
FILE #: CD15188

HEALTH DEPT. #: 370010-01
ELEV.: 290

USGS #: 253 1337
OLWR #: GW 1008

OWNER: Town of Sumtall

LOCATION: NW NE S7 TSN R15W
COUNTY: Lamar

LOCATION DESCRIPTION: On Water Ave 3 Blc of Hwy 589
8th SE corner of Water + Jackson St.

CASING DIA: ___________ PUMP TYPE & SIZE: E15c

GPS FIELD LOCATION: LAT. 31° 25.011
LONG. 89° 32.559

GPS CORRECTED LOCATION: LAT. 31.416493
LONG. 89.542220

REMARKS: GPS of well


