Well No. 160

WELL SCHEDULE
U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
2500 PUCKETT

Record by: PE Grantham
Source of data: Dr. E Log. Date: 5-9-67 - Map: PUCKETT

State: Mississippi
County: Rankin
Rankin: 9

Latitude: 30° 5' 0" N
Longitude: 89° 46' 37" W

Local well number: X-034.10.18.22.03.30.05
Other number: 8 & M

Local use: PUCKETT
Owner or name: Village of PUCKETT
Address: PUCKETT, Miss.

Ownership: County, Fed Gov't,
Corps of Eng., Private, State Agency, Water Dist

Use of well: Domestic, Stock, Thermals, Irrigation, Swim, Other

Data available: USGS 3-15-74

Hyd. lab data:

Well date: 70
Freq. W/L meas.: 70
Field aquifer char.: 70

Qual. water data:

Type: USGS 3-15-74
Pumpage inventory: yes

Aperture cards:

Log date: E Log 395-912 (Drown) SPRT
DIE

WELL DESCRIPTION CARD

SAME AS ON MASTER CARD

Depth well: 1168 ft

Depth tested: 1128 ft

Casing type: steel

Finish: gravel, gravel, open concrete, screen

Method: Drilled

Drilled by: Hall Drilling Services

Lift: multiple

Power: diesel

Descript: 3.75

Alt. LSD: 168 ft

Water Level: 1168 ft

Date: 6-6-77

Drawdown: 6.8 ft

Yield: 100 gpm

Water Quality:

Iron: ppm
Sulfate: ppm
Chloride: ppm
Hardness: ppm

Sp. Conduct: 300 K x 10^4 mhos/cm

Taste, color, etc.: pH 8.4, Clear, No odor.
HYDROGEOLOGIC CARD

Physiographic Province: 03
Drainage Basin: 137
Subbasin: 26
Section: 20 21
Latitude-longitude: N

Topo of well site: depression, stream channel, dunes, flat, hilltop, sink, swamp,
offshore, pediment, hillside, terrace, undulating, valley flat

Major Aquifer:
System: TE
Series: SPRT
Formation, Group: SIS

Lithology:
System: 15
Series: 24
Origin: 24
Aquifer: 24
Thickness: ft

Length of well open to:
Depth to top of: 14

Minor Aquifer:
System: 14
Series: 44
Origin: 44
Aquifer: 44
Thickness: ft

Length of well open to:
Depth to top of: 50

Intervals Screened: 128-1168 6' SS

Depth to consolidated rock: ft
Depth to basement: ft

Surficial material:
Infiltration characteristics: 72

Coefficient:
Trans: gpd/ft²
Coefficient storage:

Species cap: gpm/ft²
Number of geologic cards: 77

Diagram:

Well No. X34
<table>
<thead>
<tr>
<th>Landowner:</th>
<th>description of formations encountered</th>
<th>from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town of Puckett</td>
<td>Surface Soil</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Puckett, Miss. (mailing address)</td>
<td>Yellow Sand</td>
<td>6</td>
<td>64</td>
</tr>
<tr>
<td></td>
<td>Sand, Rock &amp; Shale</td>
<td>64</td>
<td>123</td>
</tr>
<tr>
<td></td>
<td>Sand &amp; Shale</td>
<td>123</td>
<td>170</td>
</tr>
<tr>
<td></td>
<td>Rock</td>
<td>170</td>
<td>203</td>
</tr>
<tr>
<td></td>
<td>Sand, Lique, &amp; Shale</td>
<td>203</td>
<td>235</td>
</tr>
<tr>
<td></td>
<td>Sand &amp; Shale, Frio</td>
<td>235</td>
<td>257</td>
</tr>
<tr>
<td></td>
<td>Sand &amp; Rock</td>
<td>257</td>
<td>278</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
<td>278</td>
<td>302</td>
</tr>
<tr>
<td></td>
<td>Yazoo Clay</td>
<td>302</td>
<td>647</td>
</tr>
<tr>
<td></td>
<td>Moody Branch</td>
<td>647</td>
<td>679</td>
</tr>
<tr>
<td></td>
<td>Shale</td>
<td>679</td>
<td>690</td>
</tr>
<tr>
<td></td>
<td>Sand &amp; Shale</td>
<td>690</td>
<td>705</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
<td>705</td>
<td>735</td>
</tr>
<tr>
<td></td>
<td>Shale</td>
<td>735</td>
<td>796</td>
</tr>
<tr>
<td></td>
<td>Sand &amp; Shale</td>
<td>796</td>
<td>808</td>
</tr>
<tr>
<td></td>
<td>Medium Sand</td>
<td>808</td>
<td>823</td>
</tr>
<tr>
<td></td>
<td>Sand &amp; Shale</td>
<td>823</td>
<td>840</td>
</tr>
<tr>
<td></td>
<td>Medium Sand</td>
<td>840</td>
<td>860</td>
</tr>
<tr>
<td></td>
<td>Coarse Sand</td>
<td>860</td>
<td>901</td>
</tr>
<tr>
<td></td>
<td>Lime</td>
<td>901</td>
<td>1006</td>
</tr>
<tr>
<td></td>
<td>Sandstone</td>
<td>1006</td>
<td>1060</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
<td>1060</td>
<td>1101</td>
</tr>
<tr>
<td></td>
<td>Coarse Sand</td>
<td>1101</td>
<td>1168</td>
</tr>
</tbody>
</table>

**WELL COMPLETION DATA:**

| 1 | diameter (inches) | 8 X 6 |
| 2 | total depth (feet) | 1168 |
| 3 | static water level (feet below top of ground) | 168 |
| 4 | casing material | 8" x 6" Steel |
| 5 | screen material | Stainless Steel |
| 6 | pump HP | 10 |
| 7 | electric log | Yes |
| 8 | Driller's remarks | Backwash valve |
If well telescopics please sketch and show depths.

GROUND LEVEL

400' - 8''

SECTION 22
Please indicate well location X.

ADDITIONAL INFORMATION

1128' - 6''

SCREEN

1168' - 6''

If more than one screen, show locations of each on sketch.
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips        DATE: 7/31/96
UNIT DEQ #: 01002101            FILE #: A0731168
HEALTH DEPT. #: 01            ELEV. 375
USGS #: X34            OLWR #: GW01655
OWNER: Puckett        QUAD: Puckett
LOCATION: SW1/2 NW1/2 S 23 T 11 E R5E COUNTY: Rankin
LOCATION DESCRIPTION: Behind National Pallet Co, east of football field at end of Cemetery Rd
CASING DIA:            PUMP TYPE & SIZE: Submersible
GPS FIELD LOCATION: LAT. 32° 05.165'N  LONG. 89° 46.635'W
GPS CORRECTED LOCATION: LAT. 32.08571930  LONG. 89.77738763
REMARKS: Measured 14' south of well