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

MASTER CARD

Record by P.E. Grantham
Source of data: Dril. E Log
Date: 2-23-68
Map: 1
Sequential number: 1

State: Mississippi
County: Calhoun
Township: 3
Range: 28
Sec.: 14

Latitude: 33° 35' 30" N
Longitude: 91° 0' 25" W

Local well number: 053-032
Local use: Poplar Springs
Owner or name: Poplar Springs Dril. Co.
Address: 7 M. N. of Vardaman

Ownership: County, Fed Gov't., City, Corp of Engineers, Private, State Agency, Water Dist.


DATA AVAILABLE

Well date: 5-20-68
Freq. Wl. meas.: Field aquifer chart

Qual. water data: type:
Freq. sampling: yes
Pumping inventory: no, period:
Aperture cards: yes

Log date: E Log Run I 30' - 723 Run II

WELL-DESCRIPTION CARD

Depth well: TD 2002 S ft
Depth cased: Sp. 4 ft
Casings: Str. Splft. 1
Diam. 3 ft

Finish: Porous gravel w. gravel w. helix, open perf., screen, ad. pt.
Method: Bored, cable, dug, hyd. jetted, air reverse trenching, driven, drive

Water level: above LSD
Level: 500 ft
Accuracy: AMS 2.5

WATER DATA:

Date: 4/6/68
Yield: 1460 gpm
Accuracy: 6%

Bromide: 4.1 ppm
Sulfate: 38 ppm
Chloride: 18 ppm
Hard.: 70 ppm
Sp. Conduct: 400 micromhos/cm
Temp.: 27.5°F
pH: 7

Taste: Color: Fe. 3 ppm, Cl 0 ppm, 110 ppm

1987
WL-303
5/3/91
350.1
25.44
324.56
-150 m (323.06)
DH/Je

1985
WL-302
4/6/68
Well No. E10

Latitude-longitude

Hydrogeologic Card

Province: 0-3

Section:

Drainage Basin:

Subbasin:

Topo of the site:
- Depression, stream channel, dunes, flat, hillytop, sink, swamp.
- Offshore, sediment, hillside, terrace, undulating, valley flat.

Major Aquifer:

System: 5
Series: 3
Aquifer, formation, group: K-3
Origin: 2

Thickness: ft

Length of well open to:

Depth to top of:

ft

ft

ft

ft

Origin:

Aquifer:

Thickness:

ft

ft

ft

ft

ft

Surface to consolidated rock:

Source of data:

ft

ft

ft

ft

ft

Infiltration characteristics:

Coefficient:

Storage:

gpd/ft²

gpm/ft³

Screen:

1795 - 1795 and 1940 - 1960 = 170 of 4’ 8” Screen

Water Level:

4/60

well = 300 ft. below land

Yield = 150 gpm @ 68/6
<table>
<thead>
<tr>
<th>Description of Formations Encountered</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay &amp; Sandstone</td>
<td>0</td>
<td>60</td>
</tr>
<tr>
<td>Bluff Clay Shale</td>
<td>60</td>
<td>120</td>
</tr>
<tr>
<td>Blue Clay Sand</td>
<td>120</td>
<td>140</td>
</tr>
<tr>
<td>Sandy Shale</td>
<td>140</td>
<td>160</td>
</tr>
<tr>
<td>Blue Clay, Sand, Rock</td>
<td>160</td>
<td>1780</td>
</tr>
<tr>
<td>Sand, Shale, Rock</td>
<td>1780</td>
<td>1900</td>
</tr>
<tr>
<td>Sand &amp; Rock</td>
<td>1900</td>
<td>2000</td>
</tr>
</tbody>
</table>

**WELL LOCATION:**
- Section: 33
- Township: 17 N
- Range: 9 E
- Distance: 7 miles
- Direction: N
- Nearest Town: Vardaman

**WELL COMPETITION DATA:**
1. Diameter (inches): 8"
2. Total Depth (feet): 2008
3. Static Water Level (feet): 300 above top of ground
4. Casing (material): 745'
- (size): 6'
- (depth): if telescope seen back
5. Screen (length): 170'
- (depth to top): 4'
- (material): 
6. Pump (HP): 
- (yield gpm): 
7. Electric: Yes
8. USGS (organization running log): 
9. Code: 1278/71
10. Driller's Remarks: Completed
If well telescopcs please sketch and show depths.

SECTION 33

Please indicate well location X.

ADDITIONAL INFORMATION

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): Phillips/Hardin   DATE: 12/4/96
UNIT DEQ #:   FILE #: A120417C
HEALTH DEPT. #: 070016-01   ELEV. 495
USGS #: E10   OLWR #: GWR143165
OWNER: Poplar Springs W.A   QUAD: Vardaman
LOCATION: NE1/4 SE1/4 T12S R1E   COUNTY: Calhoun
LOCATION DESCRIPTION: corner of Hwy 341 & County Rd 111, across from Poplar Springs Baptist Church
CASING DIA:   PUMP TYPE & SIZE: Submersible
GPS FIELD LOCATION: LAT. 33°59.654'N   LONG. 89°11.594'W
GPS CORRECTED LOCATION: LAT. 33.99268172 LONG. 89.19315771
REMARKS: Measured 12' west of well

