HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: 0:3

DRAINAGE BASIN: 1:3:E

Subbasin: ________________

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp

MAJOR AQUIFER: K:3

Lithology: system: ________________ series: ________________ aquifer, formation, group: ________________

Length of well open to: ________________ ft

Depth to top of: ________________ ft

MINOR AQUIFER: ________________

Lithology: system: ________________ series: ________________ aquifer, formation, group: ________________

Length of well open to: ________________ ft

Depth to top of: ________________ ft

Intervals screened: ________________ ft

Depth to consolidated rock: ________________ ft

Source of data: ________________

Depth to basement: ________________ ft

Source of data: ________________

Surficial material: ________________

Infiltration characteristics: ________________

Coefficient of trans: ________________ gpd/ft

Coefficient of storage: ________________

Perm: ________________ gpd/ft^2; Spec cap: ________________ gpd/ft; Number of geologic cards: ________________

11/18/91 DH

236.00

21.17

210.93

GPO 937-142

WELL NO. 1

red brick house

white house
<table>
<thead>
<tr>
<th>Description of Formations Encountered</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Hard Gray Clay</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>Limestone</td>
<td>45</td>
<td>7</td>
</tr>
<tr>
<td>Clay</td>
<td>70</td>
<td>11</td>
</tr>
<tr>
<td>Sand</td>
<td>110</td>
<td>15</td>
</tr>
<tr>
<td>Sandy Clay</td>
<td>154</td>
<td>21</td>
</tr>
<tr>
<td>Soapstone</td>
<td>215</td>
<td>69</td>
</tr>
<tr>
<td>Rocks and Clay</td>
<td>693</td>
<td>70</td>
</tr>
<tr>
<td>Soapstone</td>
<td>705</td>
<td>81</td>
</tr>
<tr>
<td>Sandy Shale</td>
<td>815</td>
<td>83</td>
</tr>
<tr>
<td>Shale</td>
<td>830</td>
<td>84</td>
</tr>
<tr>
<td>Shale</td>
<td>845</td>
<td>94</td>
</tr>
<tr>
<td>Sand w/shale stks</td>
<td>945</td>
<td>99</td>
</tr>
<tr>
<td>Rock</td>
<td>982</td>
<td>98</td>
</tr>
<tr>
<td>Sand w/shale stks</td>
<td>983</td>
<td>10</td>
</tr>
</tbody>
</table>

**WELL LOCATION:**
- Section: 17
- Township: 14
- Range: 3

**Well Purpose:** Municipal
- Home, irrigation, municipal, industrial

**Well Completion Data:**
1. Diameter (inches): 10"
2. Total depth (feet): 1055'
3. Static water level (feet) below top of ground: 502'
4. Casing (material): 10" steel
5. Screen (length): 94.7'
6. Wirewrap (size): 40
7. Pump (HP): 250 electric
8. Electric log: Yes or No

**Notes:**
- Electric log: Yes or No
- Organization running log: Shot
- How well bottom plugged:
If the wall telescopces please sketch and show depths.

Ground to top of lead

476'

502'
10" casing

454' exposed pipe

94'7" screen

5' B.P. Valve

If more than one screen, show locations of each on sketch.

SECTION

Please indicate well location X.

ADDITIONAL INFORMATION
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips  DATE: 7/21/97
UNIT DEQ #:  FILE #: 8073114C
HEALTH DEPT. #: 090010-01  ELEV. 355'
USGS #: K47  OLWR #: GW00737
OWNER: Sparta WA. #1  QUAD: Sparta
LOCATION: NE/NE S.17 T.148 R.3E  COUNTY: Chickasaw
LOCATION DESCRIPTION: On Hwy 389, 2.1 mi south of intersection with Hwy 8 in Houston

CASING DIA:  PUMP TYPE & SIZE: Submersible

GPS FIELD LOCATION: LAT. 33°52'03.4" N  LONG. 88°59'59.0" W
GPS CORRECTED LOCATION: LAT. 33.867322  LONG. 88.99953147

REMARKS:

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