Goshen Springs Quad
GW14444
0610019-03

WELL RECORD

Project No.: 34

Station Name: 1321.295

Latitude: 7.321.295

Longitude: 3.05016

State: NE

County: Linn

Well No.: A26

Agency Name: U.S. Geological Survey

Well Use: Water Use

Primary Aquifer: Yes

Hole Depth: 164 ft

Well Depth: 108 ft

Water Level: 106 ft

Water Level Date: 74211

Method: 17D

Status: 184

Source: 184

CONSTRUCTION DATA

Construction Date: 6312103111

Contractor: Layn

Method: 63

CONSTRUCTION CASING DATA

Top/Casing: 72597

Bot/Casing: 72597

Diameter: 91.12

CONSTRUCTION OPENINGS DATA

Top/Depth: 834

Bot/Depth: 834

Diameter: 851

Type: 851

Length: 891

Width: 884

CONSTRUCTION LIFT DATA

Lift Type: 4351

Date: 10121

Intake: 1321

Power: 446

Serial No.: 494

MISCELLANEOUS OWNER DATA

Date of Ownership: 7361210311

Owner Name: Layn

MISCELLANEOUS OTHER ID DATA

E-Log No.: 1911151911111111111
### MISCELLANEOUS CW DATA

<table>
<thead>
<tr>
<th>Res</th>
<th>Tz</th>
<th>Date of Measurement</th>
<th>Aquifer Sampled</th>
<th>Temo</th>
<th>Value</th>
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<td>/ / / / / / / /</td>
<td>1954</td>
<td>194000110</td>
<td>1974</td>
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<tr>
<td>738#2</td>
<td>1974</td>
<td>/ / / / / / / /</td>
<td>1954</td>
<td>194000091</td>
<td>1974</td>
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<tr>
<td>738#3</td>
<td>1974</td>
<td>/ / / / / / / /</td>
<td>1954</td>
<td>194000240</td>
<td>1974</td>
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### MISCELLANEOUS LOGS DATA

<table>
<thead>
<tr>
<th>Res</th>
<th>Tz</th>
<th>Log Type</th>
<th>Sec. Depth</th>
<th>End Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>739#1</td>
<td>1974</td>
<td>/ / / / / / / /</td>
<td>2004</td>
<td>105</td>
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<tr>
<td>739#2</td>
<td>1974</td>
<td>/ / / / / / / /</td>
<td>2004</td>
<td>105</td>
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</tbody>
</table>

### MISCELLANEOUS NETWORK DATA

<table>
<thead>
<tr>
<th>Sec. Year</th>
<th>End Year</th>
<th>Agency Source</th>
<th>Freq.</th>
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</thead>
<tbody>
<tr>
<td>1974</td>
<td>117</td>
<td>1 / 1</td>
<td>118</td>
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</table>

### MISCELLANEOUS REMARKS DATA

<table>
<thead>
<tr>
<th>Date of Remarks</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| 1854 | MSGW | 14.4%

### DISCHARGE DATA

<table>
<thead>
<tr>
<th>Pump/Flow</th>
<th>Date</th>
<th>Tyve</th>
<th>Discharge</th>
<th>Sp. Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1474</td>
<td>148</td>
<td>193</td>
<td>1194</td>
<td>703</td>
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</table>

### GEOHYDROLOGIC DATA

<table>
<thead>
<tr>
<th>Depth Top</th>
<th>Depth Bot.</th>
<th>Unit Id</th>
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</thead>
<tbody>
<tr>
<td>94</td>
<td>924</td>
<td>934</td>
</tr>
</tbody>
</table>

### HYDRAULIC DATA

| Unit Tested | 100 | 103 |

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**Additional Notes:**

- **22 dp 425gpm**
- **50 dp 100gpm**
- **Hyd 43**
- 1.3 to Hyd 25
### PUMP DATA
- **PUMP TYPE (Circle One):** Turbine
- **Jet**
- **Flowing Well**
- **Other (Describe):**
- **POWER TYPE (Circle One):** Electric
- **Tractor**
- **Diesel**
- **Gasoline**
- **Butane**
- **Other (Describe):**

- **Pump Capacity (GPM):** 320
- **No. of Stages:** 17
- **Setting Depth:** 320 FT.

- **PUMP TEST:**
  - Well yielded: 400 GPM with a drawdown of 50 ft. after 24 hours of pumping.

### WELL DATA
- **Well Depth:** 983'
- **Casing Diameter (In):** 12" (4.125)
- **Casing Length (Ft):** 932'
- **Type of Casing:** Steel 1055' 175'
- **Depth to Static Water Level:** 1055'
- **Type of Completion (Circle One or More):**
  - Gravel Packed
  - Underreamed
  - Telescopied,
  - Natural Development,
  - Open Hole,
  - Other
- **Top of Lap Pipe or Reduction in Casing:** 932' FEET

### SCREEN DATA
- **Diameter - Inches:** 8'
- **Length - Feet:** 40'
- **Slot Size - Inches:** 0.030
- **Screen Type:** Slotted
- **Depth to Bottom - Feet:** 3'

### DESCRIPTION OF FORMATIONS ENCOUNTERED

<table>
<thead>
<tr>
<th>Formation</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Clay</td>
<td>0'</td>
<td>80'</td>
</tr>
<tr>
<td>Blue Clay</td>
<td>80'</td>
<td>128'</td>
</tr>
<tr>
<td>Sand, Clay, Polished</td>
<td>128'</td>
<td>190'</td>
</tr>
<tr>
<td>Silt, Sand, Clay</td>
<td>190'</td>
<td>274'</td>
</tr>
<tr>
<td>Sand, Clay, Shale</td>
<td>274'</td>
<td>374'</td>
</tr>
<tr>
<td>Clay, Sand, Shale</td>
<td>374'</td>
<td>659'</td>
</tr>
<tr>
<td>Shale, Clay, Shale</td>
<td>659'</td>
<td>737'</td>
</tr>
<tr>
<td>Shale, Clay, Shale</td>
<td>737'</td>
<td>860'</td>
</tr>
<tr>
<td>Sand, Shale</td>
<td>860'</td>
<td>980'</td>
</tr>
<tr>
<td>Sand, Clay</td>
<td>980'</td>
<td>1038'</td>
</tr>
<tr>
<td>Hard Clay</td>
<td>1038'</td>
<td>1055'</td>
</tr>
</tbody>
</table>

### GEOLOGIC DATA (Office Use Only)
- **Surface Elev.**
- **Geologic Unit**
- **Unit Thickness**
- **Depth to Top**
- **Subs. SWL**
- **Date**
- **Analysis**
- **Aquifer Test**

### Log Data
- **Name of Organization Running Log:** Layne-Central Co.
- **Type of Log Run (Circle One):** No Log Run
- **Electric Gamma Ray**
- **Density, Sonic, Neutron, Other (Describe):**

### DEPARTMENT OF ENVIRONMENTAL QUALITY

- **P.O. Box 10631**
- **Jackson, MS 39299-0631**
- **WATER WELL DRILLERS LOG**

**RECEIVED**

- **SEP 2, 1993**
- **Dept. of Environmental Quality**
- **Office of Land & Water Resources**

**IF MORE SPACE IS NEEDED, USE BACK**
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT
GPS LOG

USER NAME(S): PAP/OLWR  DATE: 7-1-96
UNIT DEQ #:  FILE #: B0701198
HEALTH DEPT. #: 610019-03  ELEV. 3.18'
USGS #: A26  OLWR #: GW1444
OWNER: PISGAR W A  QUAD: Coosan
LOCATION: S32 T8N R43  COUNTY: Ponder
LOCATION DESCRIPTION: 1.5 mi W of Hwy 25 on Hwy 43

CASING DIA:  PUMP TYPE & SIZE: 60.14"
GPS FIELD LOCATION: LAT. 32° 24' 52.6"  LONG. 89° 54' 18.4"
GPS CORRECTED LOCATION: LAT. 32.49826018  LONG. 89.90618797
REMARKS: 1.5 mi west of Hwy 25 on Hwy 43