

June 26, 2023

Md Abdullah Al Masud  
District Engineer  
Michigan Department of Environment, Great Lakes, and Energy  
301 East Louis Glick Hwy.  
Jackson, Michigan 49201

**Subject: Madison Township New Test Production Well & Request for Approval – Updated with Tritium Results**

Md Abdullah Al Masud:

Tetra Tech, on behalf of Madison Township (Township) is requesting Michigan Department of Environment, Great Lakes, and Energy (EGLE) approval of a new test production well (Well #5) at the Baldwin Road Well Field (WF) located in Madison Township, Lenawee County, Michigan (Figure 1). The Township would like EGLE to consider granting a variance from the 200-feet minimum isolation distance because of the confined nature of the aquifer at the WF and surrounding area as described in the Well Field Evaluation section of this letter. Reducing the isolation zone to 100-feet as depicted on Figure 2, would allow for Well #5 to be installed at a location on the property that minimizes the potential well interference from the operation of existing wells at the WF.

Project Background

The Township operates two wells (Well #3 and Well #4) and are installing an additional well (proposed #5) to have redundancy at the WF. The Township anticipates that near-term water demand from the Township will remain the same and are not looking for additional capacity at this time. The Township is expecting that Well #5 can be rated at 620 gallons per minute based on existing WF information.

WF treatment improvements will also include electrical improvements, chemical improvements, an additional iron removal filter and an additional water treatment discharge basin as located on Figure 2. These will be designed, and a permit application submitted separately from this well request.

Well Construction and Location

Well #5 will be constructed similarly to Wells #3 and Well #4. Table 1 on the following page, provides well construction information.

Table 1. Well Construction Summary

| Well Name        | X-Coordinate*<br>Decimal Degrees | Y-Coordinate*<br>Decimal Degrees | Casing Diameter/<br>Type | Well Depth        | Screen Interval/Slot | Capacity<br>gallons per minute |
|------------------|----------------------------------|----------------------------------|--------------------------|-------------------|----------------------|--------------------------------|
| Well #3          | -84.053487                       | 41.867826                        | 10-inch/Steel            | 165-feet          | 135 to 165-feet/40   | 620                            |
| Well #4          | -84.052499                       | 41.868149                        | 10-inch/Steel            | 190-feet          | 160 to 190-feet/30   | 620                            |
| Proposed Well #5 | -84.053159                       | 41.868541                        | 10-inch/Steel            | 165 to 190-feet** | 135 to 190-feet**/30 | 620                            |

\* Estimated

\*\*To be adjusted based on field conditions.

Water Well and Pump Records for Well #3 and Well #4 are provided in Attachment I. A proposed Well Construction Diagram is provided on Figure 3.

#### Well Field Evaluation

Tetra Tech has completed a preliminary review of the regional geology and aquifer parameters for the WF. Our sources of information included Water Well and Pump Records for Well #3 and Well #4 (Attachment I), as well as private wells within an approximately 2-mile radius of the existing wells, and a Wellhead Protection Program (WHPP). Attachment II includes the private well logs that appear to be representative of the local geology and Figure 4 depicts the location of the private wells and associated observed geology.

The WHPP indicates that a provisional wellhead protection area delineation was created using regional aquifer information and a groundwater model. Since site-specific aquifer parameters were not used in the model or available from the Township or EGLE, Tetra Tech relied on the information provided in the Water Well and Pump Records to develop assumed aquifer parameters as follows:

- The aquifer at the WF consists of an approximately 65-feet thick layer of sand and gravel from an estimated depth of 165 to 190 feet.
- Based on surrounding Water Well and Pump Records, the aquifer is confined (overlain by a continuous clay layer) and extends to the north, east, south and west of the WF. Based on the information for wells depicted on Figure 4, the average thickness of the confining layer is 70-feet. In addition, Well #3 and Well #4 are flowing wells indicating artesian, or confining, conditions.
- At the suggestion of EGLE during a March 23, 2023 visit to the WF, water samples were collected from Well #3 and Well #4 on May 9, 2023 and were submitted to Isotech for laboratory analysis of tritium. Results are provided in Attachment III and indicate that tritium was not detected above the laboratory's reporting levels. This indicates that the groundwater in the aquifer has not been exposed to the atmosphere since at least the 1960's and is therefore within a confined system.
- The range of transmissivity is 40,000 to 70,000 gallons per minute per foot (gpm/ft) as estimated with available data as follows:
  - Pumping and water level information on the Water Well and Pump Record for PW-2 indicates a specific capacity of 21 gallons per minute (gpm) per foot of drawdown. This

- value is derived from the drawdown (29 feet) after 8 hours of pumping at a rate of 620 gpm. Using the specific capacity of 21 gpm/ft and an aquifer thickness of 65-feet, the theoretical aquifer transmissivity is approximately 40,000 gpm/ft. This value is in general agreement with values from United States Geologic Survey (USGS) Water Supply Papers for coarse sand aquifers.
- Pumping and water level information on the Water Well and Pump Record for PW-3 indicates a specific capacity of 44 gpm per foot of drawdown. This value is derived from the drawdown (14 feet) after 72 hours of pumping at a rate of 620 gpm. Using the specific capacity of 44 gpm/ft and an aquifer thickness of 65-feet, the theoretical aquifer transmissivity is approximately 70,000 gpm/ft. Again this value is in general agreement with values from USGS Water Supply Papers for coarse sand aquifers.

We look forward to your review and response of our proposed approach to the construction of Well #5 and its location.

Sincerely,



Lesa Sweet Richardson, CPG, CHMM  
Principal Hydrogeologist

Attachments:

Figure 1 – Site Location Map

Figure 2 – Updated Proposed Test/Production Well Location

Figure 3 – Proposed Well #5 Diagram

Figure 4 – Regional Well Map

Attachment I - Water Well and Pump Records for Well #3 and Well #4

Attachment II – Regional Water Well and Pump Records

Attachment III – Tritium Laboratory Report

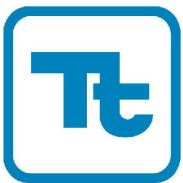
CC: Tim Watterson, Madison Township

Patrick Brennan, EGLE

## FIGURES



0 0.5 1 Miles

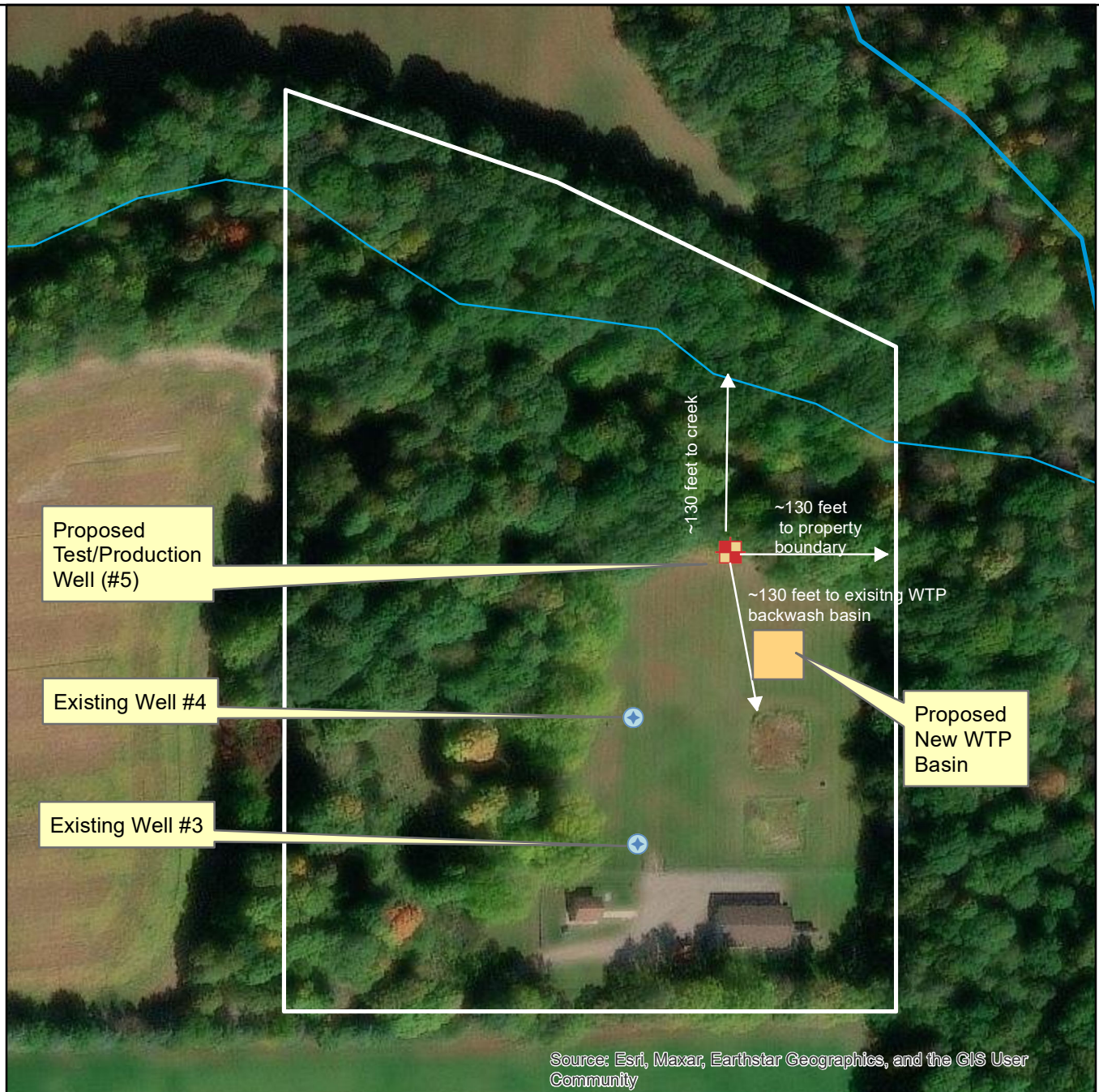


Madison Township  
SITE LOCATION MAP

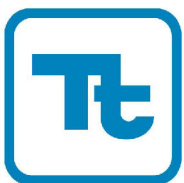
FIGURE

1

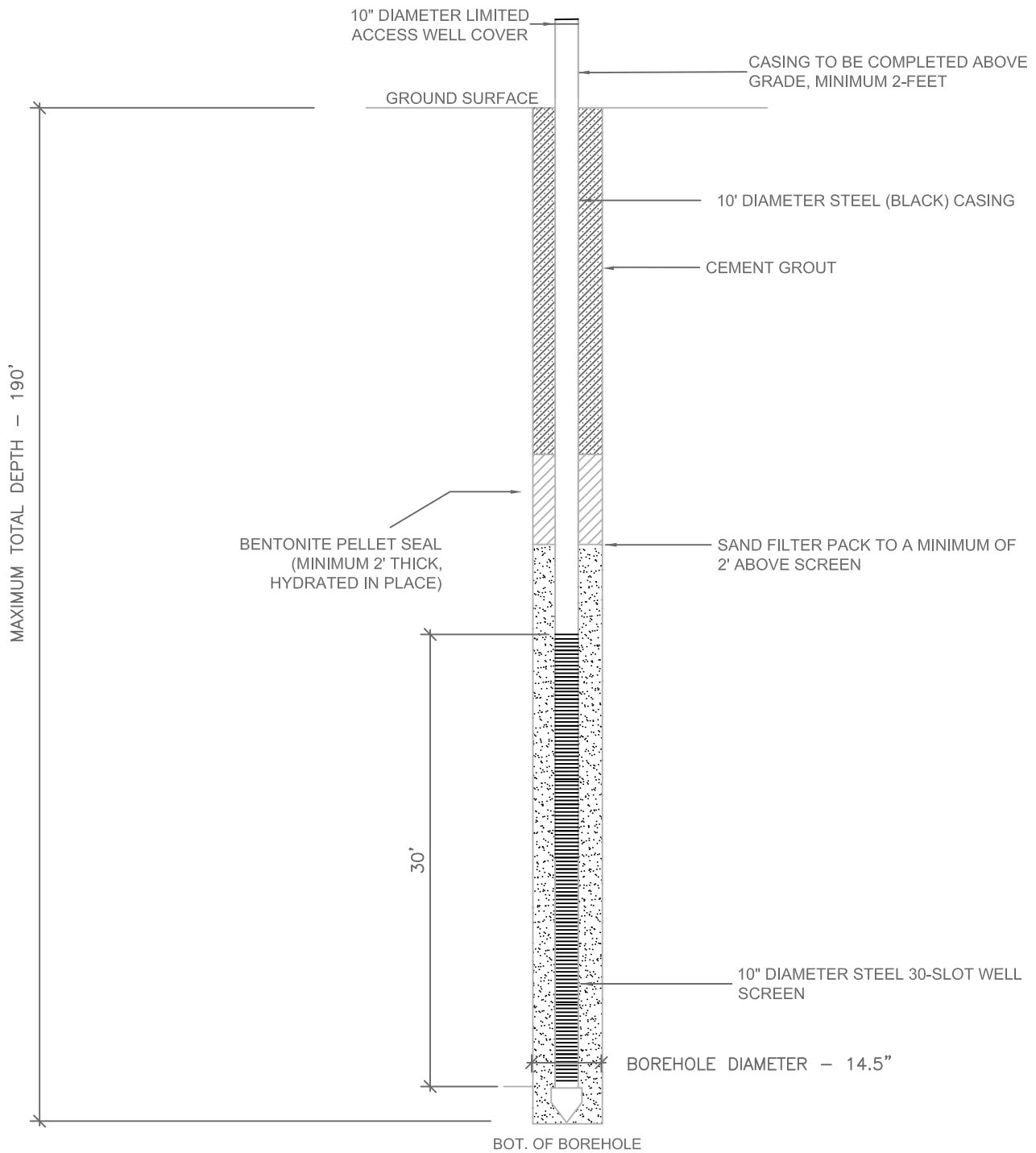




| Well Name        | X-Coordinate* | Y-Coordinate* | Casing Diameter (inches)/ Type | Well Depth (feet) | Screen Interval (feet)/Slot | Capacity Gallons per Minute |
|------------------|---------------|---------------|--------------------------------|-------------------|-----------------------------|-----------------------------|
| Well #3          | -84.053487    | 41.867826     | 10/Steel                       | 165               | 135 to 165/40               | 620                         |
| Well #4          | -84.052499    | 41.868149     | 10/Steel                       | 190               | 160 to 190/30               | 620                         |
| Proposed Well #5 | -84.053159    | 41.868541     | 10/Steel                       | 165 to 190-feet** | 135 to 190**/30             | 620                         |



2/21/2023 3:31:14 PM - P:\PROJECTS\MADISON TWP\OBSERVATION WELL INSTALLATION\AUTOCAD\9\_13\_2021\_OBSERVATION WELL DRAWING.DWG - RICHARDSON, LESA



**TETRA TECH**

[www.tetrattech.com](http://www.tetrattech.com)

1136 OAK VALLEY DR, SUITE 100  
ANN ARBOR, MICHIGAN

MADISON TOWNSHIP

PROPOSED WELL #5  
DIAGRAM

Project No.: 117-0526376

Date: 02/18/23

Designed By: LSR

FIGURE 3

Copyright: Tetra Tech

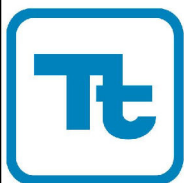
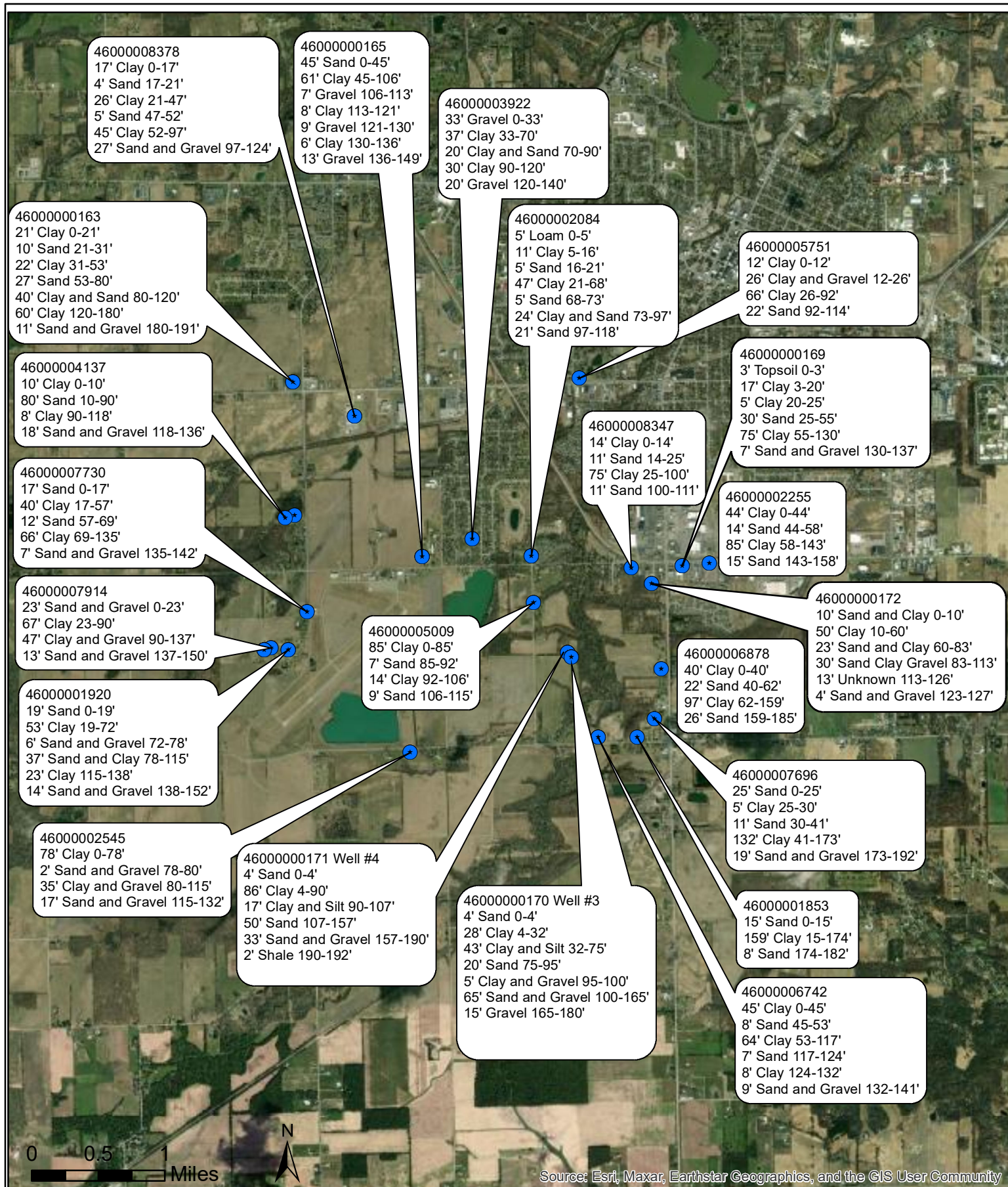
Bar Measures 1 inch

NOTES TO PROPOSED WELL #5 DIAGRAM:

- 1. Steel pipe specifications – The steel pipe specification is in accordance with Michigan well code ([Part 127, R 325.1626](#)) which calls for new steel pipe manufactured in compliance with ASTM A53, schedule 40 ( for pipe up to 10" diameter) with a certification mark verifying the pipe is in compliance with ANSI/NSF standard 14.
- 2. The cement type for grouting is neat cement (type I, Ia, or high-early type III) or cement/bentonite grout which are acceptable per Part 127, R 325.1633a.
- 3. The calculations for screen entrance velocity is based on Johnson Screens recommendation for an average entrance velocity that does not exceed 0.1 ft/second and the desired pumping rate of 620 gallons per minute as summarized in the table below:

| Screen Diameter (In) | Screen Slot Size (thousands of an inch) | Intake area (open area - From Johnson's Table) | Multiply Factor | Transmitting Capacity (gpm per foot of screen) | Assumed - Desired pumping rate (gpm) | Feet of screen needed to achieve desired pumping rate |
|----------------------|-----------------------------------------|------------------------------------------------|-----------------|------------------------------------------------|--------------------------------------|-------------------------------------------------------|
| 10" pipe size        | 30                                      | 68                                             | 0.31            | 21.08                                          | 620                                  | 29.4                                                  |





## **ATTACHMENTS**

**Attachment I**  
**Water Well and Pump Records for Well #3 and Well #4**



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                           |                   |                                                                                  |                       |                                                                     |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------|----------------------|
| <b>Tax No:</b>                                                                                                                                            | <b>Permit No:</b> | <b>County:</b> Lenawee                                                           |                       | <b>Township:</b> Madison                                            |                      |
| <b>Well ID: 460000000170</b><br><br>Elevation: 765 ft.<br>Latitude: 41.8675286712<br>Longitude: -84.0537883218<br>Method of Collection: Interpolation-Map |                   | <b>Town/Range:</b><br>07S 03E                                                    | <b>Section:</b><br>15 | <b>Well Status:</b><br>Active                                       | <b>WSSN:</b><br>4006 |
|                                                                                                                                                           |                   | <b>Source ID/Well No:</b><br>MADISON TWP                                         |                       |                                                                     |                      |
|                                                                                                                                                           |                   | <b>Distance and Direction from Road Intersection:</b><br>WSSN# 04006: SOUTH WELL |                       |                                                                     |                      |
|                                                                                                                                                           |                   | <b>Well Owner:</b> MADISON CHARTER TOWNSHIP                                      |                       |                                                                     |                      |
|                                                                                                                                                           |                   | <b>Well Address:</b><br>MADISON TWP WELL #3<br>ADRIAN, MI                        |                       | <b>Owner Address:</b><br>4008 SOUTH ADRIAN HWY.<br>ADRIAN, MI 49221 |                      |

|                                                |                                            |
|------------------------------------------------|--------------------------------------------|
| <b>Drilling Method:</b> Rotary                 | <b>Pump Installed:</b> No                  |
| <b>Well Depth:</b> 165.00 ft.                  | <b>Pressure Tank Installed:</b> No         |
| <b>Well Use:</b> Type I public                 | <b>Pressure Relief Valve Installed:</b> No |
| <b>Well Type:</b> New                          |                                            |
| <b>Date Completed:</b> 5/21/1992               |                                            |
| <b>Casing Type:</b> Steel - black              |                                            |
| <b>Height:</b> 0.00 ft. below grade            |                                            |
| <b>Casing Joint:</b> Welded                    |                                            |
| <b>Casing Fitting:</b> None                    |                                            |
| <b>Diameter:</b> 10.00 in. to 135.00 ft. depth |                                            |
| <b>Borehole:</b> 14.50 in. to 135.00 ft. depth |                                            |

|                                                           |                              |                  |                        |
|-----------------------------------------------------------|------------------------------|------------------|------------------------|
| <b>Static Water Level:</b> 0.40 ft. Above Grade (Flowing) | <b>Formation Description</b> | <b>Thickness</b> | <b>Depth to Bottom</b> |
| <b>Well Yield Test:</b>                                   |                              |                  |                        |
| <b>Yield Test Method:</b> Unknown                         | Brown Sand                   | 4.00             | 4.00                   |
| Pumping level 9.00 ft. after 8.00 hrs. at 620 GPM         | Brown Clay                   | 4.00             | 8.00                   |
| Pumping level 14.00 ft. after 73.00 hrs. at 620 GPM       | Gray Clay                    | 24.00            | 32.00                  |
| <b>Unrestricted Flow Rate:</b>                            | Gray Clay & Silt             | 43.00            | 75.00                  |
| <b>Screen Installed:</b> Yes                              | Gray Sand                    | 20.00            | 95.00                  |
| <b>Filter Packed:</b> No                                  | Gray Clay & Gravel           | 5.00             | 100.00                 |
| <b>Screen Diameter:</b> 10.00 in.                         | Sand & Gravel Fine           | 30.00            | 130.00                 |
| <b>Blank:</b> 7.00 ft. Above                              | Sand & Gravel                | 35.00            | 165.00                 |
| <b>Screen Material Type:</b> Unknown                      | Gravel W/Clay Gray           | 15.00            | 180.00                 |
| <b>Screen Installation Type:</b> Unknown                  |                              |                  |                        |
| <b>Slot</b>                                               |                              |                  |                        |
| <b>Length</b>                                             |                              |                  |                        |
| <b>Set Between</b>                                        |                              |                  |                        |
| 40.00                                                     |                              |                  |                        |
| 30.00 ft.                                                 |                              |                  |                        |
| 135.00 ft. and 165.00 ft.                                 |                              |                  |                        |
| <b>Fittings:</b> Neoprene packer                          |                              |                  |                        |

|                                                          |             |                  |                        |
|----------------------------------------------------------|-------------|------------------|------------------------|
| <b>Grouting Material</b>                                 | <b>Bags</b> | <b>Additives</b> | <b>Depth</b>           |
| Neat cement                                              | 0.00        | None             | 1.00 ft. to 135.00 ft. |
| <b>Wellhead Completion:</b> Other, 12 inches above grade |             |                  |                        |

|                                                  |                                                                                                            |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Nearest Source of Possible Contamination:</b> | <b>Drilling Machine Operator Name:</b>                                                                     |
| <b>Type</b>                                      | <b>Employment:</b> Unknown                                                                                 |
| <b>Distance</b>                                  |                                                                                                            |
| <b>Direction</b>                                 |                                                                                                            |
| Unknown                                          |                                                                                                            |
|                                                  | <b>Contractor Type:</b> Unknown                                                                            |
|                                                  | <b>Reg No:</b> 47-2072                                                                                     |
|                                                  | <b>Business Name:</b>                                                                                      |
|                                                  | <b>Business Address:</b>                                                                                   |
|                                                  | <b>Water Well Contractor's Certification</b>                                                               |
|                                                  | This well was drilled under my supervision and this report is true to the best of my knowledge and belief. |
|                                                  | <b>Signature of Registered Contractor</b>                                                                  |
|                                                  | <b>Date</b>                                                                                                |

**General Remarks:** SCREEN IS TELESOPING; 68 BAGS OF CEMENT USED IN GROUT;

**Other Remarks:** Wellhead Completion:12 inch Above Grade



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                      |                   |                                                                                     |                          |                                                                    |                      |                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|----------------------|------------------------------------------|
| <b>Tax No:</b>                                                                                                                                                                       | <b>Permit No:</b> | <b>County:</b> Lenawee                                                              | <b>Township:</b> Madison |                                                                    |                      |                                          |
| <b>Well ID: 46000000171</b><br><br><b>Elevation:</b> 767 ft.<br><b>Latitude:</b> 41.8671814537<br><b>Longitude:</b> -84.0534038759<br><b>Method of Collection:</b> Interpolation-Map |                   | <b>Town/Range:</b><br>07S 03E                                                       | <b>Section:</b><br>15    | <b>Well Status:</b><br>Active                                      | <b>WSSN:</b><br>4006 | <b>Source ID/Well No:</b><br>MADISON TWP |
|                                                                                                                                                                                      |                   | <b>Distance and Direction from Road Intersection:</b><br>WSSN# 04006; NORTH WELL #2 |                          |                                                                    |                      |                                          |
|                                                                                                                                                                                      |                   | <b>Well Owner:</b> MADISON CHARTER TOWNSHIP                                         |                          |                                                                    |                      |                                          |
|                                                                                                                                                                                      |                   | <b>Well Address:</b><br>MADISON TWP WELL #4<br>ADRIAN, MI                           |                          | <b>Owner Address:</b><br>4008 SOUTH ADRIAN HWY<br>ADRIAN, MI 49221 |                      |                                          |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 190.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> Steel - black<br><b>Casing Joint:</b> Welded<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 10.00 in. to 160.00 ft. depth<br><br><b>Borehole:</b> 14.50 in. to 160.00 ft. depth                                                                                                                |           |                 |                        | <b>Pump Installed:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------------|-------------|-----------------|------------|------------------------|------|------------|------|------|-----------|-------|-------|-----------------|-------|-------|-----------|-------|-------|------------------|-------|--------|-----------|-------|--------|------|------|--------|---------------|-------|--------|-------|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Well Use:</b> Type I public<br><b>Date Completed:</b> 8/17/1992<br><br><b>Height:</b> 0.00 ft. below grade                                                                                                                                                                                                                                                                                                          |           |                 |                        | <table border="1"><thead><tr><th>Formation Description</th><th>Thickness</th><th>Depth to Bottom</th></tr></thead><tbody><tr><td>Brown Sand</td><td>4.00</td><td>4.00</td></tr><tr><td>Brown Clay</td><td>4.00</td><td>8.00</td></tr><tr><td>Gray Clay</td><td>27.00</td><td>35.00</td></tr><tr><td>Gray Clay Sandy</td><td>45.00</td><td>80.00</td></tr><tr><td>Gray Clay</td><td>10.00</td><td>90.00</td></tr><tr><td>Gray Clay &amp; Silt</td><td>17.00</td><td>107.00</td></tr><tr><td>Sand Fine</td><td>43.00</td><td>150.00</td></tr><tr><td>Sand</td><td>7.00</td><td>157.00</td></tr><tr><td>Sand &amp; Gravel</td><td>33.00</td><td>190.00</td></tr><tr><td>Shale</td><td>2.00</td><td>192.00</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> |          |           | Formation Description | Thickness   | Depth to Bottom | Brown Sand | 4.00                   | 4.00 | Brown Clay | 4.00 | 8.00 | Gray Clay | 27.00 | 35.00 | Gray Clay Sandy | 45.00 | 80.00 | Gray Clay | 10.00 | 90.00 | Gray Clay & Silt | 17.00 | 107.00 | Sand Fine | 43.00 | 150.00 | Sand | 7.00 | 157.00 | Sand & Gravel | 33.00 | 190.00 | Shale | 2.00 | 192.00 |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                                                                                                                                  | Thickness | Depth to Bottom |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Brown Sand                                                                                                                                                                                                                                                                                                                                                                                                             | 4.00      | 4.00            |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Brown Clay                                                                                                                                                                                                                                                                                                                                                                                                             | 4.00      | 8.00            |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                                                                                                                                              | 27.00     | 35.00           |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay Sandy                                                                                                                                                                                                                                                                                                                                                                                                        | 45.00     | 80.00           |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                                                                                                                                              | 10.00     | 90.00           |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay & Silt                                                                                                                                                                                                                                                                                                                                                                                                       | 17.00     | 107.00          |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand Fine                                                                                                                                                                                                                                                                                                                                                                                                              | 43.00     | 150.00          |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                                                                                                                                   | 7.00      | 157.00          |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                                                                                                                                          | 33.00     | 190.00          |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Shale                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.00      | 192.00          |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Static Water Level:</b> 2.43 ft. Above Grade (Flowing)<br><b>Well Yield Test:</b> <b>Yield Test Method:</b> Unknown<br>Pumping level 26.00 ft. after 1.00 hrs. at 620 GPM<br>Pumping level 29.00 ft. after 8.00 hrs. at 620 GPM                                                                                                                                                                                     |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Unrestricted Flow Rate:</b>                                                                                                                                                                                                                                                                                                                                                                                         |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installed:</b> Yes <b>Filter Packed:</b> No<br><b>Screen Diameter:</b> 10.00 in. <b>Blank:</b> 7.00 ft. Above<br><b>Screen Material Type:</b> Unknown<br><b>Screen Installation Type:</b> Unknown<br><b>Slot</b> <b>Length</b> <b>Set Between</b><br>30.00      30.00 ft.      160.00 ft. and 190.00 ft.                                                                                                     |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Fittings:</b> Neoprene packer                                                                                                                                                                                                                                                                                                                                                                                       |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"><thead><tr><th>Grouting Material</th><th>Bags</th><th>Additives</th><th>Depth</th></tr></thead><tbody><tr><td>Neat cement</td><td>0.00</td><td>None</td><td>0.00 ft. to 160.00 ft.</td></tr></tbody></table>                                                                                                                                                                                         |           |                 |                        | Grouting Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Bags     | Additives | Depth                 | Neat cement | 0.00            | None       | 0.00 ft. to 160.00 ft. |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Grouting Material                                                                                                                                                                                                                                                                                                                                                                                                      | Bags      | Additives       | Depth                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Neat cement                                                                                                                                                                                                                                                                                                                                                                                                            | 0.00      | None            | 0.00 ft. to 160.00 ft. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Other                                                                                                                                                                                                                                                                                                                                                                                      |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><table border="1"><thead><tr><th>Type</th><th>Distance</th><th>Direction</th></tr></thead><tbody><tr><td>None</td><td> </td><td> </td></tr></tbody></table>                                                                                                                                                                                                        |           |                 |                        | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Distance | Direction | None                  |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                   | Distance  | Direction       |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| None                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Drilling Machine Operator Name:</b><br><b>Employment:</b> Unknown<br><br><b>Contractor Type:</b> Unknown <b>Reg No:</b> 47-2072<br><b>Business Name:</b><br><b>Business Address:</b><br><br><b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.<br><br><b>Signature of Registered Contractor</b> <b>Date</b> |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b> SCREEN IS TELESOPING; TOP 15' SCREEN IS #30 SLOT AND BOTTOM 15' IS #20 SLOT; 85 BAGS OF CEMENT USED IN GROUT; WELL HEAD COMPLETION IS 42" ABOVE GRADE                                                                                                                                                                                                                                          |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b> Wellhead Completion:Completion Type Not Known                                                                                                                                                                                                                                                                                                                                                    |           |                 |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |           |                       |             |                 |            |                        |      |            |      |      |           |       |       |                 |       |       |           |       |       |                  |       |        |           |       |        |      |      |        |               |       |        |       |      |        |  |  |  |  |  |  |  |  |  |  |  |  |



**Attachment II**  
**Regional Water Well and Pump Records**



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID: 46777305401

Failure to comply is a misdemeanor.

|                                                                                                                                                                                         |                   |                                                                                                                 |                          |                                                                 |                      |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------|----------------------|-------------------------------|
| <b>Tax No:</b> MDO105496500                                                                                                                                                             | <b>Permit No:</b> | <b>County:</b> Lenawee                                                                                          | <b>Township:</b> Madison |                                                                 |                      |                               |
| <b>Well ID: 46000000163</b><br><br><b>Elevation:</b> 801 ft.<br><b>Latitude:</b> 41.88944<br><b>Longitude:</b> -84.08366<br><b>Method of Collection:</b> GPS Std Positioning Svc SA Off |                   | <b>Town/Range:</b> 07S 03E                                                                                      | <b>Section:</b> 5        | <b>Well Status:</b> Active                                      | <b>WSSN:</b> 2043346 | <b>Source ID/Well No:</b> 001 |
|                                                                                                                                                                                         |                   | <b>Distance and Direction from Road Intersection:</b><br>2043346; 1 1/8 MILE W OF SAND CREEK HWY ON N SIDE M-34 |                          |                                                                 |                      |                               |
|                                                                                                                                                                                         |                   | <b>Well Owner:</b> ANDERSON FUNERAL HOME                                                                        |                          |                                                                 |                      |                               |
|                                                                                                                                                                                         |                   | <b>Well Address:</b><br>3050 W. BEECHER RD<br>ADRIAN, MI 49221                                                  |                          | <b>Owner Address:</b><br>3050 W. BEECHER RD<br>ADRIAN, MI 49221 |                      |                               |

|                                                                                                |                                                                     |                                                                                                                         |                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 191.00 ft.<br><b>Well Type:</b> New       | <b>Well Use:</b> Type II public<br><b>Date Completed:</b> 5/26/1992 | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b><br><b>Manufacturer:</b> F.E. Myers<br><b>Model Number:</b> | <b>Pump Installation Only:</b> No<br><b>HP:</b><br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 10 GPM<br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b> |
| <b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Unknown<br><b>Casing Fitting:</b> None | <b>Height:</b>                                                      | <b>Drop Pipe Length:</b> 60.00 ft.<br><b>Drop Pipe Diameter:</b><br><b>Draw Down Seal Used:</b> No                      |                                                                                                                                                                        |
| <b>Diameter:</b> 5.00 in. to 183.00 ft. depth                                                  |                                                                     | <b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                        |                                                                                                                                                                        |
| <b>Borehole:</b> 8.00 in. to 183.00 ft. depth                                                  |                                                                     |                                                                                                                         |                                                                                                                                                                        |

| <b>Static Water Level:</b> 999.99 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 100.00 ft. after 2.00 hrs. at 20 GPM<br><b>Yield Test Method:</b> Unknown                                                                                  | <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Clay</td><td>21.00</td><td>21.00</td></tr> <tr><td>Sand</td><td>10.00</td><td>31.00</td></tr> <tr><td>Clay</td><td>22.00</td><td>53.00</td></tr> <tr><td>Sand Fine</td><td>27.00</td><td>80.00</td></tr> <tr><td>Clay &amp; Sand</td><td>40.00</td><td>120.00</td></tr> <tr><td>Clay</td><td>60.00</td><td>180.00</td></tr> <tr><td>Sand &amp; Gravel</td><td>11.00</td><td>191.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | Formation Description | Thickness | Depth to Bottom | Clay | 21.00 | 21.00 | Sand | 10.00 | 31.00 | Clay | 22.00 | 53.00 | Sand Fine | 27.00 | 80.00 | Clay & Sand | 40.00 | 120.00 | Clay | 60.00 | 180.00 | Sand & Gravel | 11.00 | 191.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-----------------|------|-------|-------|------|-------|-------|------|-------|-------|-----------|-------|-------|-------------|-------|--------|------|-------|--------|---------------|-------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Formation Description                                                                                                                                                                                                                                 | Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Depth to Bottom       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                  | 21.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 21.00                 |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                  | 10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 31.00                 |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                  | 22.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 53.00                 |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand Fine                                                                                                                                                                                                                                             | 27.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 80.00                 |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay & Sand                                                                                                                                                                                                                                           | 40.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 120.00                |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                  | 60.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 180.00                |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                         | 11.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 191.00                |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 4.00 in.<br><b>Screen Material Type:</b><br><b>Screen Installation Type:</b> Unknown<br><b>Slot Length Set Between:</b><br>20.00 8.00 ft. 183.00 ft. and 191.00 ft.<br><b>Fittings:</b> Other | <b>Filter Packed:</b> No<br><b>Blank:</b> 0.00 ft. Above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |           |                 |      |       |       |      |       |       |      |       |       |           |       |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                                                                                                                                                                                  |                         |
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| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Grouting Method:</b> Unknown<br><b>Bags:</b> 0.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 183.00 ft. | <b>Geology Remarks:</b> |
| <b>Wellhead Completion:</b> Pitless adapter, Other, 12 inches above grade                                                                                                                        |                         |

|                                                                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Sewer line<br><b>Distance:</b> 100 ft.<br><b>Direction:</b> South | <b>Drilling Machine Operator Name:</b> PHILLIP GORDON<br><b>Employment:</b> Unknown |
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|                                                                                                                                                            |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Contractor Type:</b> Unknown<br><b>Business Name:</b><br><b>Business Address:</b>                                                                       | <b>Reg No:</b> 46-2039 |
| <b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief. |                        |
| <b>Signature of Registered Contractor</b>                                                                                                                  | <b>Date</b>            |

|                                                                             |
|-----------------------------------------------------------------------------|
| <b>General Remarks:</b> NONE                                                |
| <b>Other Remarks:</b> Pump Manufacturer:MYERS, Screen Fittings:Type Unknown |



# Water Well And Pump Record



Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.

Import ID: 46777309302

|                                                                                                                                                         |                   |                                                                      |                      |                                     |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------|----------------------|-------------------------------------|----------------------|
| <b>Tax No:</b>                                                                                                                                          | <b>Permit No:</b> | <b>County:</b> Lenawee                                               |                      | <b>Township:</b> Madison            |                      |
| <b>Well ID: 46000000165</b><br><br>Elevation: 805 ft.<br>Latitude: 41.875340062<br>Longitude: -84.0695899939<br>Method of Collection: Interpolation-Map |                   | <b>Town/Range:</b><br>07S 03E                                        | <b>Section:</b><br>9 | <b>Well Status:</b>                 | <b>WSSN:</b><br>4176 |
|                                                                                                                                                         |                   | <b>Source ID/Well No:</b><br>MAURICE SPEAR                           |                      |                                     |                      |
|                                                                                                                                                         |                   | <b>Distance and Direction from Road Intersection:</b><br>WSSN# 04176 |                      |                                     |                      |
|                                                                                                                                                         |                   | <b>Well Owner:</b> MAURICE SPEAR COMPUS                              |                      |                                     |                      |
|                                                                                                                                                         |                   | <b>Well Address:</b><br>MAURICE SPEAR WELL #2<br>ADRIAN, MI          |                      | <b>Owner Address:</b><br>ADRIAN, MI |                      |

|                                               |                                     |                                            |                                   |
|-----------------------------------------------|-------------------------------------|--------------------------------------------|-----------------------------------|
| <b>Drilling Method:</b> Cable Tool            | <b>Well Use:</b> Type I public      | <b>Pump Installed:</b> Yes                 | <b>Pump Installation Only:</b> No |
| <b>Well Depth:</b> 149.00 ft.                 | <b>Date Completed:</b> 11/2/1967    | <b>Pump Installation Date:</b>             | <b>HP:</b>                        |
| <b>Well Type:</b> Replacement                 | <b>Height:</b> 0.00 ft. below grade | <b>Manufacturer:</b> Other                 | <b>Pump Type:</b> Submersible     |
| <b>Casing Type:</b> Unknown                   |                                     | <b>Model Number:</b>                       | <b>Pump Capacity:</b> 0 GPM       |
| <b>Casing Joint:</b> Threaded & coupled       |                                     | <b>Drop Pipe Length:</b> 126.00 ft.        | <b>Pump Voltage:</b>              |
| <b>Casing Fitting:</b> Drive shoe             |                                     | <b>Drop Pipe Diameter:</b>                 | <b>Drilling Record ID:</b>        |
| <b>Diameter:</b> 6.00 in. to 149.00 ft. depth |                                     | <b>Draw Down Seal Used:</b> No             |                                   |
| <b>Borehole:</b>                              |                                     | <b>Pressure Tank Installed:</b> No         |                                   |
|                                               |                                     | <b>Pressure Relief Valve Installed:</b> No |                                   |

|                                                   |                                   |                              |                  |                        |
|---------------------------------------------------|-----------------------------------|------------------------------|------------------|------------------------|
| <b>Static Water Level:</b> 25.00 ft. Below Grade  | <b>Yield Test Method:</b> Unknown | <b>Formation Description</b> | <b>Thickness</b> | <b>Depth to Bottom</b> |
| <b>Well Yield Test:</b>                           |                                   | Yellow Sand                  | 25.00            | 25.00                  |
| Pumping level 60.00 ft. after 0.00 hrs. at 10 GPM |                                   | Gray Sand                    | 20.00            | 45.00                  |
| Pumping level 70.00 ft. after 0.00 hrs. at 15 GPM |                                   | Clay                         | 45.00            | 90.00                  |
| <b>Screen Installed:</b> Yes                      | <b>Filter Packed:</b> No          | Clay W/Stones                | 16.00            | 106.00                 |
| <b>Screen Diameter:</b> 0.00 in.                  | <b>Blank:</b> 0.00 ft. Above      | Gravel Wet/Moist             | 7.00             | 113.00                 |
| <b>Screen Material Type:</b>                      |                                   | Clay W/Gravel                | 8.00             | 121.00                 |
| <b>Screen Installation Type:</b> Unknown          |                                   | Gravel W/Clay                | 9.00             | 130.00                 |
| <b>Slot</b>                                       | <b>Length</b>                     | Clay                         | 6.00             | 136.00                 |
| 20.00                                             | 7.00 ft.                          | Gravel Water Bearing         | 13.00            | 149.00                 |
|                                                   |                                   |                              |                  |                        |
|                                                   |                                   |                              |                  |                        |
|                                                   |                                   |                              |                  |                        |
|                                                   |                                   |                              |                  |                        |
|                                                   |                                   |                              |                  |                        |

|                          |                                 |                         |
|--------------------------|---------------------------------|-------------------------|
| <b>Well Grouted:</b> Yes | <b>Grouting Method:</b> Unknown | <b>Geology Remarks:</b> |
| <b>Grouting Material</b> | <b>Bags</b>                     |                         |
| Other                    | 0.00                            |                         |
| <b>Additives</b>         | <b>Depth</b>                    |                         |
| None                     | 0.00 ft. to 0.00 ft.            |                         |

|                                             |
|---------------------------------------------|
| <b>Wellhead Completion:</b> Pitless adapter |
|---------------------------------------------|

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| <b>Nearest Source of Possible Contamination:</b> | <b>Drilling Machine Operator Name:</b> |
| <b>Type</b>                                      | <b>Employment:</b> Unknown             |
| Septic tank                                      |                                        |
| <b>Distance</b>                                  |                                        |
| 100 ft.                                          |                                        |
| <b>Direction</b>                                 |                                        |
| Northeast                                        |                                        |

|                                   |                                 |                        |
|-----------------------------------|---------------------------------|------------------------|
| <b>Abandoned Well Plugged:</b> No | <b>Contractor Type:</b> Unknown | <b>Reg No:</b> 46-0021 |
| <b>Reason Not Plugged:</b>        | <b>Business Name:</b>           |                        |
|                                   | <b>Business Address:</b>        |                        |

|                                                                                                            |             |
|------------------------------------------------------------------------------------------------------------|-------------|
| <b>Water Well Contractor's Certification</b>                                                               |             |
| This well was drilled under my supervision and this report is true to the best of my knowledge and belief. |             |
| <b>Signature of Registered Contractor</b>                                                                  | <b>Date</b> |

|                                                                           |
|---------------------------------------------------------------------------|
| <b>General Remarks:</b> ORIGINAL WELLID# WAS 09002; GROUTED WITH TOP SOIL |
|---------------------------------------------------------------------------|

|                                                                                                |
|------------------------------------------------------------------------------------------------|
| <b>Other Remarks:</b> Grouting Material 1: Listed as other in Wellkey, Pump Manufacturer: REDA |
|------------------------------------------------------------------------------------------------|



# Water Well And Pump Record



Completion is required under authority of Part 127 Act 368 PA 1978.

Failure to comply is a misdemeanor.

Import ID: 46777314402

|                                                                                                                                                                           |                         |                                                                                              |                          |                            |                                                                |                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------|--------------------------|----------------------------|----------------------------------------------------------------|-------------------------------|--|
| <b>Tax No:</b> MDO 114 1025 00                                                                                                                                            | <b>Permit No:</b> 11225 | <b>County:</b> Lenawee                                                                       | <b>Township:</b> Madison |                            |                                                                |                               |  |
| <b>Well ID: 46000000169</b><br><br><b>Elevation:</b> 797 ft.<br><b>Latitude:</b> 41.887648<br><b>Longitude:</b> -84.041077<br><b>Method of Collection:</b> QQQ - Centroid |                         | <b>Town/Range:</b> 07S 03E                                                                   | <b>Section:</b> 11       | <b>Well Status:</b> Active | <b>WSSN:</b> 2037646                                           | <b>Source ID/Well No:</b> 001 |  |
|                                                                                                                                                                           |                         | <b>Distance and Direction from Road Intersection:</b><br>2037646; 1 300'OF US223 300'OF M-52 |                          |                            |                                                                |                               |  |
|                                                                                                                                                                           |                         | <b>Well Owner:</b> TOM HOOD                                                                  |                          |                            |                                                                |                               |  |
|                                                                                                                                                                           |                         | <b>Well Address:</b><br>1097 US 223<br>ADRIAN, MI 49221                                      |                          |                            | <b>Owner Address:</b><br>1109 E. CADMUS RD<br>ADRIAN, MI 49221 |                               |  |

| <b>Drilling Method:</b> Cable Tool<br><b>Well Depth:</b> 137.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> Steel - black<br><b>Casing Joint:</b> Threaded & coupled<br><b>Casing Fitting:</b> Drive shoe<br><br><b>Diameter:</b> 4.00 in. to 131.00 ft. depth<br><br><b>Borehole:</b> | <b>Well Use:</b> Type II public<br><b>Date Completed:</b> 7/24/1981<br><br><b>Height:</b> | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b><br><b>Manufacturer:</b> Goulds<br><b>Model Number:</b> 25E45422<br><b>Drop Pipe Length:</b> 84.00 ft.<br><b>Drop Pipe Diameter:</b><br><b>Draw Down Seal Used:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Pump Installation Only:</b> No<br><b>HP:</b><br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 30 GPM<br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b> |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------------|---------------|----------------------------|------|-------------|-------|-------|-----------|------|-------|-------------|-------|-------|-----------|-------|--------|---------------|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Static Water Level:</b> 51.00 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 59.00 ft. after 1.00 hrs. at 25 GPM<br><b>Yield Test Method:</b> Unknown                                                                                                                             |                                                                                           | <table border="1"><thead><tr><th>Formation Description</th><th>Thickness</th><th>Depth to Bottom</th></tr></thead><tbody><tr><td>Gravel &amp; Sand</td><td>3.00</td><td>3.00</td></tr><tr><td>Yellow Clay</td><td>17.00</td><td>20.00</td></tr><tr><td>Gray Clay</td><td>5.00</td><td>25.00</td></tr><tr><td>Yellow Sand</td><td>30.00</td><td>55.00</td></tr><tr><td>Gray Clay</td><td>75.00</td><td>130.00</td></tr><tr><td>Sand &amp; Gravel</td><td>7.00</td><td>137.00</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> |                                                                                                                                                                        | Formation Description | Thickness  | Depth to Bottom | Gravel & Sand | 3.00                       | 3.00 | Yellow Clay | 17.00 | 20.00 | Gray Clay | 5.00 | 25.00 | Yellow Sand | 30.00 | 55.00 | Gray Clay | 75.00 | 130.00 | Sand & Gravel | 7.00 | 137.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                          | Thickness                                                                                 | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gravel & Sand                                                                                                                                                                                                                                                                                  | 3.00                                                                                      | 3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yellow Clay                                                                                                                                                                                                                                                                                    | 17.00                                                                                     | 20.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                      | 5.00                                                                                      | 25.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yellow Sand                                                                                                                                                                                                                                                                                    | 30.00                                                                                     | 55.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                      | 75.00                                                                                     | 130.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                  | 7.00                                                                                      | 137.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 4.00 in.<br><b>Screen Material Type:</b> Stainless steel-slotted<br><b>Screen Installation Type:</b> Unknown<br><b>Slot Length Set Between:</b><br>25.00 6.00 ft. 131.00 ft. and 137.00 ft.<br><br><b>Fittings:</b> None               |                                                                                           | <b>Filter Packed:</b> No<br><b>Blank:</b> 1.50 ft. Above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well Grouted:</b> No                                                                                                                                                                                                                                                                        |                                                                                           | <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Pitless adapter, Other, 12 inches above grade                                                                                                                                                                                                                      |                                                                                           | <b>Drilling Machine Operator Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><table border="1"><thead><tr><th>Type</th><th>Distance</th><th>Direction</th></tr></thead><tbody><tr><td>Sewer line</td><td>75 ft.</td><td>East</td></tr></tbody></table>                                                                  |                                                                                           | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Distance                                                                                                                                                               | Direction             | Sewer line | 75 ft.          | East          | <b>Employment:</b> Unknown |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                                                                                                                                                                                           | Distance                                                                                  | Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sewer line                                                                                                                                                                                                                                                                                     | 75 ft.                                                                                    | East                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           | <b>Contractor Type:</b> Unknown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           | <b>Business Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           | <b>Business Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           | <b>Reg No:</b> 46-0021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                |                                                                                           | <b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                        |                                                                                           | <b>Signature of Registered Contractor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                          |                                                                                           | <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                        |                       |            |                 |               |                            |      |             |       |       |           |      |       |             |       |       |           |       |        |               |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID: 46777315401

Failure to comply is a misdemeanor.

|                                                                                                                                                                                         |                   |                                                                                                            |                          |                                                                |                      |                               |
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| <b>Tax No:</b> MDO115240000                                                                                                                                                             | <b>Permit No:</b> | <b>County:</b> Lenawee                                                                                     | <b>Township:</b> Madison |                                                                |                      |                               |
| <b>Well ID: 46000000172</b><br><br><b>Elevation:</b> 797 ft.<br><b>Latitude:</b> 41.87322<br><b>Longitude:</b> -84.04464<br><b>Method of Collection:</b> GPS Std Positioning Svc SA Off |                   | <b>Town/Range:</b> 07S 03E                                                                                 | <b>Section:</b> 15       | <b>Well Status:</b> Inactive                                   | <b>WSSN:</b> 2056346 | <b>Source ID/Well No:</b> 001 |
|                                                                                                                                                                                         |                   | <b>Distance and Direction from Road Intersection:</b><br>2056346; 1 1/4 MI W OF M52 ON US223 S SIDE 400 FT |                          |                                                                |                      |                               |
|                                                                                                                                                                                         |                   | <b>Well Owner:</b> 84 LUMBER                                                                               |                          |                                                                |                      |                               |
|                                                                                                                                                                                         |                   | <b>Well Address:</b><br>1055 W. US 223<br>ADRIAN, MI 49221                                                 |                          | <b>Owner Address:</b><br>4121 WASHINGTON<br>MCMURRAY, PA 15384 |                      |                               |

|                                                                                                                   |                                                                     |                                                                                                                                                                                                                     |                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drilling Method:</b> Cable Tool<br><b>Well Depth:</b> 130.00 ft.<br><b>Well Type:</b> New                      | <b>Well Use:</b> Type II public<br><b>Date Completed:</b> 7/23/1991 | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b><br><b>Manufacturer:</b><br><b>Model Number:</b><br><b>Drop Pipe Length:</b> 130.00 ft.<br><b>Drop Pipe Diameter:</b><br><b>Draw Down Seal Used:</b> No | <b>Pump Installation Only:</b> No<br><b>HP:</b><br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b><br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b> |
| <b>Casing Type:</b> Steel - black<br><b>Casing Joint:</b> Threaded & coupled<br><b>Casing Fitting:</b> Drive shoe | <b>Height:</b>                                                      |                                                                                                                                                                                                                     |                                                                                                                                                                 |
| <b>Diameter:</b> 4.00 in. to 126.00 ft. depth                                                                     |                                                                     |                                                                                                                                                                                                                     |                                                                                                                                                                 |
| <b>Borehole:</b> 4.00 in. to 126.00 ft. depth                                                                     |                                                                     |                                                                                                                                                                                                                     |                                                                                                                                                                 |

|                                                                                                                                  |                                   |                              |                  |                        |
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| <b>Static Water Level:</b> 60.00 ft. Below Grade<br><b>Well Yield Test:</b><br>Pumping level 70.00 ft. after 2.00 hrs. at 18 GPM | <b>Yield Test Method:</b> Unknown | <b>Formation Description</b> | <b>Thickness</b> | <b>Depth to Bottom</b> |
|                                                                                                                                  |                                   | Brown Sand & Clay            | 10.00            | 10.00                  |
|                                                                                                                                  |                                   | Brown Clay                   | 50.00            | 60.00                  |
|                                                                                                                                  |                                   | Gray Sand & Clay             | 23.00            | 83.00                  |
|                                                                                                                                  |                                   | Lithology Unknown            | 30.00            | 113.00                 |
|                                                                                                                                  |                                   | Lithology Unknown            | 13.00            | 126.00                 |
|                                                                                                                                  |                                   | Gray Sand & Gravel           | 4.00             | 130.00                 |
|                                                                                                                                  |                                   |                              |                  |                        |
|                                                                                                                                  |                                   |                              |                  |                        |
|                                                                                                                                  |                                   |                              |                  |                        |
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 4.00 in.<br><b>Screen Material Type:</b><br><b>Screen Installation Type:</b> Unknown<br><b>Slot Length Set Between</b><br>12.00 4.00 ft. 126.00 ft. and 130.00 ft. | <b>Filter Packed:</b> No<br><b>Blank:</b> 1.00 ft. Above | <b>Well Grouted:</b> Yes<br><b>Grouting Method:</b> Unknown<br><b>Grouting Material:</b> Other<br><b>Bags:</b> 0.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 126.00 ft. | <b>Geology Remarks:</b> |
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|---------------------------------------------------------------------------|
| <b>Wellhead Completion:</b> Pitless adapter, Other, 12 inches above grade |
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|                                                                                                                                    |                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Sewer line<br><b>Distance:</b> 300 ft.<br><b>Direction:</b> North | <b>Drilling Machine Operator Name:</b> BRUCE KING<br><b>Employment:</b> Unknown |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|

|                                                                                                                                                            |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Contractor Type:</b> Unknown<br><b>Business Name:</b><br><b>Business Address:</b>                                                                       | <b>Reg No:</b> 46-1958 |
| <b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief. |                        |
| <b>Signature of Registered Contractor</b>                                                                                                                  | <b>Date</b>            |

|                              |
|------------------------------|
| <b>General Remarks:</b> NONE |
|------------------------------|

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| <b>Other Remarks:</b> Grouting Material 1: Listed as other in Wellkey, Pump Manufacturer: BURKS |
|-------------------------------------------------------------------------------------------------|





# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Failure to comply is a misdemeanor.

Import ID:

|                                                                                                                                                                                                    |                         |                                                                                                                              |                       |                                                          |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------|--------------|
| <b>Tax No:</b>                                                                                                                                                                                     | <b>Permit No:</b> 22941 | <b>County:</b> Lenawee                                                                                                       |                       | <b>Township:</b> Madison                                 |              |
| <b>Well ID: 46000000615</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.8645646<br><br><b>Longitude:</b> -84.084217<br><br><b>Method of Collection:</b> Address Matching-Street Centerline |                         | <b>Town/Range:</b><br>07S 03E                                                                                                | <b>Section:</b><br>17 | <b>Well Status:</b><br>Active                            | <b>WSSN:</b> |
|                                                                                                                                                                                                    |                         | <b>Source ID/Well No:</b>                                                                                                    |                       |                                                          |              |
|                                                                                                                                                                                                    |                         | <b>Distance and Direction from Road Intersection:</b><br>1/4 mile south of West Cadmus Road; west side of Sand Creek Highway |                       |                                                          |              |
|                                                                                                                                                                                                    |                         | <b>Well Owner:</b> T & B Well Drilling                                                                                       |                       |                                                          |              |
|                                                                                                                                                                                                    |                         | <b>Well Address:</b><br>Sand Creek Hwy Lot 3<br>Adrian, MI 49221                                                             |                       | <b>Owner Address:</b><br>PO Box 69<br>Tecumseh, MI 49286 |              |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 149.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Welded<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 5.00 in. to 132.00 ft. depth<br><br><b>Borehole:</b> 8.75 in. to 149.00 ft. depth |           | <b>Pump Installed:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|-----------|-----------------|------------|-------|-------|-----------|-------|-------|------|-------|-------|------|------|-------|------------|------|-------|------|-------|--------|------|------|--------|------|------|--------|------|-------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Well Use:</b> Household<br><b>Date Completed:</b> 6/21/2001<br><b>Height:</b> 1.00 ft. above grade                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Static Water Level:</b> 40.00 ft. Below Grade<br><b>Well Yield Test:</b><br>Pumping level 149.00 ft. after 1.00 hrs. at 40 GPM<br><b>Yield Test Method:</b> Air                                                                                                                                  |           | <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Brown Sand</td><td>28.00</td><td>28.00</td></tr> <tr><td>Gray Clay</td><td>12.00</td><td>40.00</td></tr> <tr><td>Sand</td><td>12.00</td><td>52.00</td></tr> <tr><td>Clay</td><td>8.00</td><td>60.00</td></tr> <tr><td>Sand Silty</td><td>8.00</td><td>68.00</td></tr> <tr><td>Clay</td><td>52.00</td><td>120.00</td></tr> <tr><td>Sand</td><td>2.00</td><td>122.00</td></tr> <tr><td>Clay</td><td>6.00</td><td>128.00</td></tr> <tr><td>Sand</td><td>21.00</td><td>149.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> |  | Formation Description | Thickness | Depth to Bottom | Brown Sand | 28.00 | 28.00 | Gray Clay | 12.00 | 40.00 | Sand | 12.00 | 52.00 | Clay | 8.00 | 60.00 | Sand Silty | 8.00 | 68.00 | Clay | 52.00 | 120.00 | Sand | 2.00 | 122.00 | Clay | 6.00 | 128.00 | Sand | 21.00 | 149.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                               | Thickness | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Brown Sand                                                                                                                                                                                                                                                                                          | 28.00     | 28.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                           | 12.00     | 40.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                | 12.00     | 52.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                | 8.00      | 60.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand Silty                                                                                                                                                                                                                                                                                          | 8.00      | 68.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                | 52.00     | 120.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                | 2.00      | 122.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                | 6.00      | 128.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                | 21.00     | 149.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 5.00 in.<br><b>Screen Material Type:</b> PVC-slotted<br><b>Screen Installation Type:</b> Attached<br><b>Slot Length Set Between:</b><br>12.00 10.00 ft. 132.00 ft. and 142.00 ft.<br><br><b>Fittings:</b> None                              |           | <b>Filter Packed:</b> Yes<br><b>Blank:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite dry granular<br><b>Bags:</b> 12.00<br><b>Additives:</b> Other<br><b>Depth:</b> 0.00 ft. to 130.00 ft.                                                                                                                               |           | <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> 12 inches above grade                                                                                                                                                                                                                                                   |           | <b>Drilling Machine Operator Name:</b> Paul Wendling<br><b>Employment:</b> Employee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Septic tank<br><b>Distance:</b> 75 ft.<br><b>Direction:</b> West                                                                                                                                                                   |           | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> Ed Birkmeier Well Drilling Ltd<br><b>Business Address:</b> 10655 Easton Road, New Lothrop, MI, 48460<br><b>Reg No:</b> 78-1607                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |           | <b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |           | <b>Signature of Registered Contractor</b> _____ <b>Date</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b> Pump Installed by Terry Clymer (T & B)                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b> Grouting Additive 1:Ez mud, Coordinate Source:Google well address geocoding                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                       |           |                 |            |       |       |           |       |       |      |       |       |      |      |       |            |      |       |      |       |        |      |      |        |      |      |        |      |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                              |                         |                                                                                                               |                       |                                                                 |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|--------------|
| <b>Tax No:</b>                                                                                                                                                               | <b>Permit No:</b> 23727 | <b>County:</b> Lenawee                                                                                        |                       | <b>Township:</b> Madison                                        |              |
| <b>Well ID: 46000001853</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.862105<br><br><b>Longitude:</b> -84.04512<br><br><b>Method of Collection:</b> QQQ - Centroid |                         | <b>Town/Range:</b><br>07S 03E                                                                                 | <b>Section:</b><br>15 | <b>Well Status:</b><br>Active                                   | <b>WSSN:</b> |
|                                                                                                                                                                              |                         | <b>Source ID/Well No:</b>                                                                                     |                       |                                                                 |              |
|                                                                                                                                                                              |                         | <b>Distance and Direction from Road Intersection:</b><br>1/8 mile West of M-52 on North side of Carleton Road |                       |                                                                 |              |
|                                                                                                                                                                              |                         | <b>Well Owner:</b> Don Bundy                                                                                  |                       |                                                                 |              |
|                                                                                                                                                                              |                         | <b>Well Address:</b><br>1160 Carleton Road<br>Adrian, MI 49221                                                |                       | <b>Owner Address:</b><br>1160 Carleton Road<br>Adrian, MI 49221 |              |

|                                               |                                  |                                            |                                    |
|-----------------------------------------------|----------------------------------|--------------------------------------------|------------------------------------|
| <b>Drilling Method:</b> Rotary                | <b>Well Use:</b> Household       | <b>Pump Installed:</b> Yes                 | <b>Pump Installation Only:</b> No  |
| <b>Well Depth:</b> 182.00 ft.                 | <b>Date Completed:</b> 7/30/2002 | <b>Pump Installation Date:</b>             | <b>HP:</b> 0.75                    |
| <b>Well Type:</b> New                         | <b>Height:</b>                   | <b>Manufacturer:</b> F.E. Myers            | <b>Pump Type:</b> Submersible      |
| <b>Casing Type:</b> PVC plastic               |                                  | <b>Model Number:</b> J712P                 | <b>Pump Capacity:</b> 15 GPM       |
| <b>Casing Joint:</b> Unknown                  |                                  | <b>Drop Pipe Length:</b> 100.00 ft.        | <b>Pump Voltage:</b>               |
| <b>Casing Fitting:</b> None                   |                                  | <b>Drop Pipe Diameter:</b>                 | <b>Drilling Record ID:</b>         |
| <b>Diameter:</b> 5.00 in. to 176.00 ft. depth |                                  | <b>Draw Down Seal Used:</b> No             |                                    |
| <b>Borehole:</b> 8.00 in. to 812.00 ft. depth |                                  | <b>Pressure Tank Installed:</b> Yes        |                                    |
|                                               |                                  | <b>Pressure Tank Type:</b> Unknown         |                                    |
|                                               |                                  | <b>Manufacturer:</b> Champion              |                                    |
|                                               |                                  | <b>Model Number:</b> CM8003                | <b>Tank Capacity:</b> 32.0 Gallons |
|                                               |                                  | <b>Pressure Relief Valve Installed:</b> No |                                    |

| <b>Static Water Level:</b> 20.00 ft. Below Grade                          | <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr> <td>Sand</td> <td>15.00</td> <td>15.00</td> </tr> <tr> <td>Clay</td> <td>159.00</td> <td>174.00</td> </tr> <tr> <td>Sand</td> <td>8.00</td> <td>182.00</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | Formation Description | Thickness       | Depth to Bottom | Sand | 15.00 | 15.00 | Clay | 159.00 | 174.00 | Sand | 8.00 | 182.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Formation Description                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Thickness             | Depth to Bottom |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 15.00                 | 15.00           |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 159.00                | 174.00          |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                      | 8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 182.00                |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Well Yield Test:</b> Pumping level 40.00 ft. after 2.00 hrs. at 15 GPM |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Yield Test Method:</b> Air                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Screen Installed:</b> Yes                                              | <b>Filter Packed:</b> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Diameter:</b> 4.00 in.                                          | <b>Blank:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Material Type:</b> Stainless steel-wire wrapped                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installation Type:</b> Telescoped                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Slot</b> <b>Length</b> <b>Set Between</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18.00      6.00 ft.      176.00 ft. and 182.00 ft.                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Fittings:</b> Other, None                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                 |                 |      |       |       |      |        |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                                                    |                                 |                         |
|--------------------------------------------------------------------|---------------------------------|-------------------------|
| <b>Well Grouted:</b> Yes                                           | <b>Grouting Method:</b> Unknown | <b>Geology Remarks:</b> |
| <b>Grouting Material</b> <b>Bags</b> <b>Additives</b> <b>Depth</b> |                                 |                         |
| Bentonite slurry      8.00      None      0.00 ft. to 176.00 ft.   |                                 |                         |
|                                                                    |                                 |                         |

|                                                                    |
|--------------------------------------------------------------------|
| <b>Wellhead Completion:</b> Pitless adapter, 12 inches above grade |
|--------------------------------------------------------------------|

|                                                  |                                                          |
|--------------------------------------------------|----------------------------------------------------------|
| <b>Nearest Source of Possible Contamination:</b> | <b>Drilling Machine Operator Name:</b> Charles F. Tornow |
| <b>Type</b> <b>Distance</b> <b>Direction</b>     | <b>Employment:</b> Employee                              |
| Septic tank      50 ft.      West                |                                                          |

|                                                                                                            |                        |
|------------------------------------------------------------------------------------------------------------|------------------------|
| <b>Contractor Type:</b> Water Well Drilling Contractor                                                     | <b>Reg No:</b> 46-2039 |
| <b>Business Name:</b> Gordon & Sons, Inc.                                                                  |                        |
| <b>Business Address:</b> 3768 M-50, Tipton, MI, 49287                                                      |                        |
| <b>Water Well Contractor's Certification</b>                                                               |                        |
| This well was drilled under my supervision and this report is true to the best of my knowledge and belief. |                        |
| <b>Signature of Registered Contractor</b>                                                                  | <b>Date</b>            |

|                         |
|-------------------------|
| <b>General Remarks:</b> |
|-------------------------|

|                                                                   |
|-------------------------------------------------------------------|
| <b>Other Remarks:</b> Screen Fittings:Screen threaded onto casing |
|-------------------------------------------------------------------|



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                      |                         |                                                                                                                    |                       |                                                          |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------|--------------|
| <b>Tax No:</b>                                                                                                                                                                       | <b>Permit No:</b> 23397 | <b>County:</b> Lenawee                                                                                             |                       | <b>Township:</b> Madison                                 |              |
| <b>Well ID: 46000001920</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.86751715<br><br><b>Longitude:</b> -84.08879371<br><br><b>Method of Collection:</b> Interpolation-Map |                         | <b>Town/Range:</b><br>07S 03E                                                                                      | <b>Section:</b><br>17 | <b>Well Status:</b><br>Active                            | <b>WSSN:</b> |
|                                                                                                                                                                                      |                         | <b>Source ID/Well No:</b>                                                                                          |                       |                                                          |              |
|                                                                                                                                                                                      |                         | <b>Distance and Direction from Road Intersection:</b><br>.2 MILE WEST OF SAND CREEK ON SOUTH SIDE OF PLANEVIEW DR. |                       |                                                          |              |
|                                                                                                                                                                                      |                         | <b>Well Owner:</b> Earls Construction                                                                              |                       |                                                          |              |
|                                                                                                                                                                                      |                         | <b>Well Address:</b><br>3125 Laneview Rd.<br>Adrian, MI                                                            |                       | <b>Owner Address:</b><br>3125 Laneview Rd.<br>Adrian, MI |              |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 152.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Unknown<br><b>Casing Fitting:</b> Unknown<br><br><b>Diameter:</b> 5.00 in. to 147.00 ft. depth<br><br><b>Borehole:</b> 8.50 in. to 152.00 ft. depth |           | <b>Well Use:</b> Household<br><b>Date Completed:</b> 4/25/2002<br><br><b>Height:</b> |  | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b><br><b>Manufacturer:</b> F.E. Myers<br><b>Model Number:</b> 2NFL5212<br><b>Drop Pipe Length:</b> 60.00 ft.<br><b>Drop Pipe Diameter:</b><br><b>Draw Down Seal Used:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <b>Pump Installation Only:</b> No<br><b>HP:</b> 0.50<br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 12 GPM<br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b> |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Static Water Level:</b> 29.00 ft. Below Grade<br><b>Well Yield Test:</b><br>Pumping level 33.00 ft. after 2.00 hrs. at 12 GPM                                                                                                                                                                        |           | <b>Yield Test Method:</b> Air                                                        |  | <b>Pressure Tank Installed:</b> Yes<br><b>Pressure Tank Type:</b> Unknown<br><b>Manufacturer:</b> Elbi<br><b>Model Number:</b> DV80<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | <b>Tank Capacity:</b> 20.0 Gallons                                                                                                                                          |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 4.00 in.<br><b>Screen Material Type:</b> Stainless steel-wire wrapped<br><b>Screen Installation Type:</b> Telescoped<br><b>Slot Length Set Between:</b><br>12.00 4.00 ft. 147.00 ft. and 152.00 ft.<br><br><b>Fittings:</b> None                |           | <b>Filter Packed:</b> Yes<br><b>Blank:</b> 1.50 ft. Above                            |  | <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Sand</td><td>19.00</td><td>19.00</td></tr> <tr><td>Clay</td><td>53.00</td><td>72.00</td></tr> <tr><td>Sand &amp; Gravel</td><td>6.00</td><td>78.00</td></tr> <tr><td>Sand &amp; Clay</td><td>37.00</td><td>115.00</td></tr> <tr><td>Clay</td><td>23.00</td><td>138.00</td></tr> <tr><td>Sand &amp; Gravel</td><td>14.00</td><td>152.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> |  | Formation Description                                                                                                                                                       | Thickness | Depth to Bottom | Sand | 19.00 | 19.00 | Clay | 53.00 | 72.00 | Sand & Gravel | 6.00 | 78.00 | Sand & Clay | 37.00 | 115.00 | Clay | 23.00 | 138.00 | Sand & Gravel | 14.00 | 152.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                   | Thickness | Depth to Bottom                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                    | 19.00     | 19.00                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                    | 53.00     | 72.00                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                           | 6.00      | 78.00                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Clay                                                                                                                                                                                                                                                                                             | 37.00     | 115.00                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                    | 23.00     | 138.00                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                           | 14.00     | 152.00                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 7.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 140.00 ft.                                                                                                                                           |           | <b>Grouting Method:</b> Unknown                                                      |  | <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Pitless adapter                                                                                                                                                                                                                                                             |           |                                                                                      |  | <b>Drilling Machine Operator Name:</b> Terry Alcock<br><b>Employment:</b> Employee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Septic tank<br><b>Distance:</b> 50 ft.<br><b>Direction:</b> Southeast                                                                                                                                                                  |           |                                                                                      |  | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> Alcock Drilling Inc.<br><b>Business Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | <b>Reg No:</b> 46-1272                                                                                                                                                      |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                         |           |                                                                                      |  | <b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                                 |           |                                                                                      |  | <b>Signature of Registered Contractor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Date</b>                                                                                                                                                                 |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                   |           |                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                             |           |                 |      |       |       |      |       |       |               |      |       |             |       |        |      |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                     |                         |                                                                                                             |                          |                            |                                                                   |                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|-------------------------------------------------------------------|---------------------------|--|
| <b>Tax No:</b>                                                                                                                                                                      | <b>Permit No:</b> TW202 | <b>County:</b> Lenawee                                                                                      | <b>Township:</b> Madison |                            |                                                                   |                           |  |
| <b>Well ID: 46000001930</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.87241972<br><br><b>Longitude:</b> -84.0832314<br><br><b>Method of Collection:</b> Interpolation-Map |                         | <b>Town/Range:</b> 07S 03E                                                                                  | <b>Section:</b> 17       | <b>Well Status:</b> Active | <b>WSSN:</b>                                                      | <b>Source ID/Well No:</b> |  |
|                                                                                                                                                                                     |                         | <b>Distance and Direction from Road Intersection:</b><br>3/8 MILE S OF CADMUS RD ON W SIDE OF SANDCREEK HWY |                          |                            |                                                                   |                           |  |
|                                                                                                                                                                                     |                         | <b>Well Owner:</b> AL HOAG                                                                                  |                          |                            |                                                                   |                           |  |
|                                                                                                                                                                                     |                         | <b>Well Address:</b><br>LOT 3 PLANEVIEW DR N<br>ADRIAN, MI 49221                                            |                          |                            | <b>Owner Address:</b><br>LOT 3 PLANEVIEW DR N<br>ADRIAN, MI 49221 |                           |  |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 136.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Unknown<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 5.00 in. to 128.00 ft. depth<br><br><b>Borehole:</b> 8.00 in. to 136.00 ft. depth | <b>Well Use:</b> Household<br><b>Date Completed:</b> 9/23/2002<br><br><b>Height:</b> | <b>Pump Installed:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Static Water Level:</b> 34.00 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 42.00 ft. after 4.00 hrs. at 15 GPM<br><b>Yield Test Method:</b> Test pump                                                                                                                                 |                                                                                      | <table border="1"><thead><tr><th>Formation Description</th><th>Thickness</th><th>Depth to Bottom</th></tr></thead><tbody><tr><td>Sand</td><td>18.00</td><td>18.00</td></tr><tr><td>Clay</td><td>34.00</td><td>52.00</td></tr><tr><td>Sand</td><td>13.00</td><td>65.00</td></tr><tr><td>Clay</td><td>62.00</td><td>127.00</td></tr><tr><td>Sand</td><td>9.00</td><td>136.00</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> | Formation Description | Thickness | Depth to Bottom | Sand | 18.00 | 18.00 | Clay | 34.00 | 52.00 | Sand | 13.00 | 65.00 | Clay | 62.00 | 127.00 | Sand | 9.00 | 136.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                | Thickness                                                                            | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                 | 18.00                                                                                | 18.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                 | 34.00                                                                                | 52.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                 | 13.00                                                                                | 65.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                 | 62.00                                                                                | 127.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                 | 9.00                                                                                 | 136.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 4.00 in.<br><b>Screen Material Type:</b> Stainless steel-wire wrapped<br><b>Screen Installation Type:</b> Telescoped<br><b>Slot Length Set Between:</b><br>0.02 8.00 ft. 128.00 ft. and 136.00 ft.<br><br><b>Fittings:</b> None              |                                                                                      | <b>Filter Packed:</b> Yes<br><b>Blank:</b> *u                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 6.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 128.00 ft.                                                                                                                                        |                                                                                      | <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Pitless adapter                                                                                                                                                                                                                                                          |                                                                                      | <b>Drilling Machine Operator Name:</b> CHARLES F TORNOW<br><b>Employment:</b> Employee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Septic tank<br><b>Distance:</b> 50 ft.<br><b>Direction:</b> East                                                                                                                                                                    |                                                                                      | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> GORDON AND SONS<br><b>Business Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |                                                                                      | <b>Reg No:</b> 46-2039                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |                                                                                      | <b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.<br><br><b>Signature of Registered Contractor</b> <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                              |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |      |       |       |      |       |       |      |       |       |      |       |        |      |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                                  |                         |                                                                                                                   |                          |                            |                                                         |                           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|---------------------------------------------------------|---------------------------|--|
| <b>Tax No:</b> MD0-110-3710-00                                                                                                                                                                   | <b>Permit No:</b> 24070 | <b>County:</b> Lenawee                                                                                            | <b>Township:</b> Madison |                            |                                                         |                           |  |
| <b>Well ID: 46000002084</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.87537276<br><br><b>Longitude:</b> -84.05773869<br><br><b>Method of Collection:</b> Address Matching-House Number |                         | <b>Town/Range:</b> 07S 03E                                                                                        | <b>Section:</b> 10       | <b>Well Status:</b> Active | <b>WSSN:</b>                                            | <b>Source ID/Well No:</b> |  |
|                                                                                                                                                                                                  |                         | <b>Distance and Direction from Road Intersection:</b><br>100 FEET NORTH OF CADNUS RD; 50 FEET WEST FO BALDWIN HWY |                          |                            |                                                         |                           |  |
|                                                                                                                                                                                                  |                         | <b>Well Owner:</b> JAMES COUSINO                                                                                  |                          |                            |                                                         |                           |  |
|                                                                                                                                                                                                  |                         | <b>Well Address:</b><br>2958 BALDWIN HWY<br>ADRIAN, MI                                                            |                          |                            | <b>Owner Address:</b><br>2958 BALDWIN HWY<br>ADRIAN, MI |                           |  |

| <b>Drilling Method:</b> Cable Tool<br><b>Well Depth:</b> 118.00 ft.<br><b>Well Type:</b> Replacement<br><b>Casing Type:</b> Steel - black<br><b>Casing Joint:</b> Threaded & coupled<br><b>Casing Fitting:</b> Drive shoe<br><br><b>Diameter:</b> 4.00 in. to 106.00 ft. depth<br><br><b>Borehole:</b> | <b>Well Use:</b> Household<br><b>Date Completed:</b> 11/18/2002<br><br><b>Height:</b>                                                                                                                                                  | <b>Pump Installed:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Static Water Level:</b> 14.00 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 40.00 ft. after 1.00 hrs. at 18 GPM<br><b>Yield Test Method:</b> Test pump                                                                                                                                   |                                                                                                                                                                                                                                        | <table border="1"><thead><tr><th>Formation Description</th><th>Thickness</th><th>Depth to Bottom</th></tr></thead><tbody><tr><td>Loam</td><td>5.00</td><td>5.00</td></tr><tr><td>Gray Clay</td><td>11.00</td><td>16.00</td></tr><tr><td>Gray Sand</td><td>5.00</td><td>21.00</td></tr><tr><td>Gray Clay</td><td>47.00</td><td>68.00</td></tr><tr><td>Gray Sand</td><td>5.00</td><td>73.00</td></tr><tr><td>Clay &amp; Sand</td><td>24.00</td><td>97.00</td></tr><tr><td>Gray Sand</td><td>21.00</td><td>118.00</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> | Formation Description | Thickness | Depth to Bottom | Loam   | 5.00 | 5.00                                                                                                                        | Gray Clay | 11.00 | 16.00 | Gray Sand | 5.00 | 21.00 | Gray Clay | 47.00 | 68.00 | Gray Sand | 5.00 | 73.00 | Clay & Sand | 24.00 | 97.00 | Gray Sand | 21.00 | 118.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                  | Thickness                                                                                                                                                                                                                              | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Loam                                                                                                                                                                                                                                                                                                   | 5.00                                                                                                                                                                                                                                   | 5.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                              | 11.00                                                                                                                                                                                                                                  | 16.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Sand                                                                                                                                                                                                                                                                                              | 5.00                                                                                                                                                                                                                                   | 21.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                              | 47.00                                                                                                                                                                                                                                  | 68.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Sand                                                                                                                                                                                                                                                                                              | 5.00                                                                                                                                                                                                                                   | 73.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay & Sand                                                                                                                                                                                                                                                                                            | 24.00                                                                                                                                                                                                                                  | 97.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Sand                                                                                                                                                                                                                                                                                              | 21.00                                                                                                                                                                                                                                  | 118.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 4.00 in.<br><b>Screen Material Type:</b> Stainless steel-wire wrapped<br><b>Screen Installation Type:</b> Attached<br><b>Slot Length Set Between:</b><br>8.00 12.00 ft. 106.00 ft. and 118.00 ft.<br><br><b>Fittings:</b> Neoprene packer      | <b>Filter Packed:</b> No<br><b>Blank:</b> 1.50 ft. Above<br><b>Grouting Method:</b> Unknown<br><b>Grouting Material:</b> Bentonite dry granular<br><b>Bags:</b> 0.00<br><b>Additives:</b> None<br><b>Depth:</b> 1.00 ft. to 106.00 ft. | <b>Geology Remarks:</b><br>BELOW CLAY & SAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Pitless adapter, 12 inches above grade                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                        | <b>Drilling Machine Operator Name:</b> RICHARD L MAPES<br><b>Employment:</b> Employee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><table border="1"><thead><tr><th>Type</th><th>Distance</th><th>Direction</th></tr></thead><tbody><tr><td>Sewer line</td><td>50 ft.</td><td>East</td></tr></tbody></table>                                                                          |                                                                                                                                                                                                                                        | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Distance              | Direction | Sewer line      | 50 ft. | East | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> MAPES WELL DRLG<br><b>Business Address:</b> |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                                                                                                                                                                                                   | Distance                                                                                                                                                                                                                               | Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sewer line                                                                                                                                                                                                                                                                                             | 50 ft.                                                                                                                                                                                                                                 | East                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Abandoned Well Plugged:</b> Yes<br><br><b>Casing Removed:</b>                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                        | <b>Reg No:</b> 46-2155<br><b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.<br><br><b>Signature of Registered Contractor</b> <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b> SLOT: 8#10 & 4#7                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |        |      |                                                                                                                             |           |       |       |           |      |       |           |       |       |           |      |       |             |       |       |           |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



**Import ID:**

Failure to comply is a misdemeanor.

|                                                                                                                                                                                     |  |                         |  |                                                                                                              |                       |                               |                                                               |                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|--------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|---------------------------------------------------------------|---------------------------|--|
| <b>Tax No:</b> MD0500003000                                                                                                                                                         |  | <b>Permit No:</b> 24228 |  | <b>County:</b> Lenawee                                                                                       |                       |                               | <b>Township:</b> Madison                                      |                           |  |
| <b>Well ID: 46000002255</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.8747292<br><br><b>Longitude:</b> -84.03837341<br><br><b>Method of Collection:</b> Interpolation-Map |  |                         |  | <b>Town/Range:</b><br>07S 03E                                                                                | <b>Section:</b><br>14 | <b>Well Status:</b><br>Active | <b>WSSN:</b>                                                  | <b>Source ID/Well No:</b> |  |
|                                                                                                                                                                                     |  |                         |  | <b>Distance and Direction from Road Intersection:</b><br>150 FEET WEST OF WINTER ST; ON SOUTH SIDE OF US 223 |                       |                               |                                                               |                           |  |
|                                                                                                                                                                                     |  |                         |  | <b>Well Owner:</b> MAGIC FOUNTAIN AUTO WASH                                                                  |                       |                               |                                                               |                           |  |
|                                                                                                                                                                                     |  |                         |  | <b>Well Address:</b><br>1255 EAST US 223<br>ADRIAN, MI 49221                                                 |                       |                               | <b>Owner Address:</b><br>1255 EAST US 223<br>ADRIAN, MI 49221 |                           |  |

|                                                                                                  |                                                            |                                                                                                                                                                                                                                     |                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 158.00 ft.<br><b>Well Type:</b> Replacement | <b>Well Use:</b> Other<br><b>Date Completed:</b> 3/31/2003 | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b><br><b>Manufacturer:</b> F.E. Myers<br><b>Model Number:</b> J50P<br><b>Drop Pipe Length:</b> 120.00 ft.<br><b>Drop Pipe Diameter:</b><br><b>Draw Down Seal Used:</b> No | <b>Pump Installation Only:</b> No<br><b>HP:</b> 5.00<br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 80 GPM<br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b> |
| <b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Unknown<br><b>Casing Fitting:</b> None   | <b>Height:</b>                                             | <b>Pressure Tank Installed:</b> Yes<br><b>Pressure Tank Type:</b> Unknown<br><b>Manufacturer:</b> Well-Mate<br><b>Model Number:</b> WM35<br><b>Pressure Relief Valve Installed:</b> No                                              | <b>Tank Capacity:</b> 120.0 Gallons                                                                                                                                         |
| <b>Diameter:</b> 5.00 in. to 146.00 ft. depth                                                    |                                                            |                                                                                                                                                                                                                                     |                                                                                                                                                                             |
| <b>Borehole:</b> 8.00 in. to 158.00 ft. depth                                                    |                                                            |                                                                                                                                                                                                                                     |                                                                                                                                                                             |

[illegible]

|                                                 |      |           |                        |                  |
|-------------------------------------------------|------|-----------|------------------------|------------------|
| Well Grouted: Yes      Grouting Method: Unknown |      |           |                        | Geology Remarks: |
| Grouting Material                               | Bags | Additives | Depth                  |                  |
| Bentonite slurry                                | 7.00 | None      | 0.00 ft. to 146.00 ft. |                  |

|                                            |                                                  |
|--------------------------------------------|--------------------------------------------------|
| Wellhead Completion: 12 inches above grade |                                                  |
|                                            | Drilling Machine Operator Name: CHARLES F TORNOW |

|                                                  |                 |                  |                                                                               |
|--------------------------------------------------|-----------------|------------------|-------------------------------------------------------------------------------|
| <b>Nearest Source of Possible Contamination:</b> |                 |                  | <b>Employment:</b> Employee                                                   |
| <b>Type</b>                                      | <b>Distance</b> | <b>Direction</b> |                                                                               |
| Drainfield/Dry well                              | 20 ft.          | North            |                                                                               |
|                                                  |                 |                  | <b>Contractor Type:</b> Water Well Drilling Contractor <b>Reg No:</b> 46-2039 |

|                                    |                                         |
|------------------------------------|-----------------------------------------|
| <b>Abandoned Well Plugged:</b> No  | <b>Business Name:</b> GORDON & SONS INC |
| <b>Reason Not Plugged:</b> Unknown | <b>Business Address:</b>                |

|  |                                                                                                                                                                                      |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p align="center"><b>Water Well Contractor's Certification</b></p> <p>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.</p> |
|  | <p><b>Signature of Registered Contractor</b></p>                                                                                                                                     |
|  | <p><b>Date</b></p>                                                                                                                                                                   |

|                                    |  |
|------------------------------------|--|
| General Remarks:                   |  |
| Other Remarks: Well Use:INDUSTRIAL |  |





# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                                 |                          |                                                        |                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------|---------------------------------------------------------|
| <b>Tax No:</b> M00-121-2060-00                                                                                                                                                                  | <b>Permit No:</b> 24429+ | <b>County:</b> Lenawee                                 | <b>Township:</b> Madison                                |
| <b>Well ID: 46000002545</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.85964356<br><br><b>Longitude:</b> -84.0726637<br><br><b>Method of Collection:</b> Address Matching-House Number |                          | <b>Town/Range:</b> 07S 03E                             | <b>Section:</b> 21                                      |
|                                                                                                                                                                                                 |                          | <b>Well Status:</b> Active                             | <b>WSSN:</b>                                            |
|                                                                                                                                                                                                 |                          | <b>Source ID/Well No:</b>                              |                                                         |
|                                                                                                                                                                                                 |                          | <b>Distance and Direction from Road Intersection:</b>  |                                                         |
|                                                                                                                                                                                                 |                          | <b>Well Owner:</b> PEGGY SAGER                         |                                                         |
|                                                                                                                                                                                                 |                          | <b>Well Address:</b> 2375 W. CARLETON ADRIAN, MI 49221 | <b>Owner Address:</b> 2375 W. CARLETON ADRIAN, MI 49221 |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 132.00 ft.<br><b>Well Type:</b> Replacement<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Unknown<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 5.00 in. to 122.00 ft. depth<br><br><b>Borehole:</b> 8.00 in. to 132.00 ft. depth                                                                                                      | <b>Well Use:</b> Household<br><b>Date Completed:</b> 7/12/2003<br><b>Height:</b><br><br><b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b><br><b>Manufacturer:</b> F.E. Myers<br><b>Model Number:</b> 2NFL-12<br><b>Drop Pipe Length:</b> 60.00 ft.<br><b>Drop Pipe Diameter:</b><br><b>Draw Down Seal Used:</b> No<br><b>Pump Installation Only:</b> No<br><b>HP:</b> 0.50<br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 12 GPM<br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b><br><br><b>Pressure Tank Installed:</b> Yes<br><b>Pressure Tank Type:</b> Unknown<br><b>Manufacturer:</b> Champion<br><b>Model Number:</b> 202<br><b>Pressure Relief Valve Installed:</b> No<br><b>Tank Capacity:</b> 20.0 Gallons                                                                                                                                               |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Static Water Level:</b> 26.00 ft. Below Grade<br><b>Well Yield Test:</b><br>Pumping level 35.00 ft. after 2.00 hrs. at 30 GPM<br><br><b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 5.00 in.<br><b>Screen Material Type:</b> PVC-saw cut<br><b>Screen Installation Type:</b> Attached<br><b>Slot Length Set Between:</b><br>15.00 10.00 ft. 122.00 ft. and 132.00 ft.<br><br><b>Fittings:</b> Unknown | <b>Filter Packed:</b> Yes<br><b>Blank:</b><br><br><b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 0.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 112.00 ft.                                                                                                                                                                                                                                                     | <b>Formation Description</b> <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Clay</td><td>78.00</td><td>78.00</td></tr> <tr><td>Sand &amp; Gravel</td><td>2.00</td><td>80.00</td></tr> <tr><td>Clay &amp; Gravel</td><td>35.00</td><td>115.00</td></tr> <tr><td>Sand &amp; Gravel</td><td>17.00</td><td>132.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | Formation Description | Thickness | Depth to Bottom | Clay   | 78.00 | 78.00                                                                                                                           | Sand & Gravel | 2.00 | 80.00 | Clay & Gravel | 35.00 | 115.00 | Sand & Gravel | 17.00 | 132.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                                                                                                                             | Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Depth to Bottom       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                                                                                                                              | 78.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 78.00                 |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                                                                                                                                     | 2.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 80.00                 |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay & Gravel                                                                                                                                                                                                                                                                                                                                                                                                     | 35.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 115.00                |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                                                                                                                                     | 17.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 132.00                |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Pitless adapter, 12 inches above grade                                                                                                                                                                                                                                                                                                                                                | <b>Drilling Machine Operator Name:</b> E CLYMER<br><b>Employment:</b> Unknown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><table border="1"> <thead> <tr> <th>Type</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Septic tank</td> <td>50 ft.</td> <td>North</td> </tr> </tbody> </table>                                                                                                                                                                    | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Distance              | Direction | Septic tank     | 50 ft. | North | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> T & B WELL DRILLING<br><b>Business Address:</b> |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                                                                                                                                                                                                                                                                                                              | Distance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Direction             |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Septic tank                                                                                                                                                                                                                                                                                                                                                                                                       | 50 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | North                 |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Abandoned Well Plugged:</b> Yes<br><br><b>Casing Diameter:</b> 2 in.<br><b>Plugging Material:</b> Bentonite chips/pellets<br><b>No. of Bags:</b> 1.50                                                                                                                                                                                                                                                          | <b>Reg No:</b> 46-1940<br><br><b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.<br><br><b>Signature of Registered Contractor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |        |       |                                                                                                                                 |               |      |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                      |                         |                                                                                                                    |                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>Tax No:</b> MD0108443000                                                                                                                                                          | <b>Permit No:</b> TW267 | <b>County:</b> Lenawee                                                                                             | <b>Township:</b> Madison                         |
| <b>Well ID: 46000002865</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.88408011<br><br><b>Longitude:</b> -84.08289851<br><br><b>Method of Collection:</b> Interpolation-Map |                         | <b>Town/Range:</b> 07S 03E                                                                                         | <b>Section:</b> 8                                |
|                                                                                                                                                                                      |                         | <b>Well Status:</b> Active                                                                                         | <b>WSSN:</b>                                     |
|                                                                                                                                                                                      |                         | <b>Source ID/Well No:</b>                                                                                          |                                                  |
|                                                                                                                                                                                      |                         | <b>Distance and Direction from Road Intersection:</b><br>1 MILE SOUTH OF M-34 ON WEST SIDE OF SANDCREEK HWY; LOT H |                                                  |
|                                                                                                                                                                                      |                         | <b>Well Owner:</b> JOE WELLS                                                                                       |                                                  |
|                                                                                                                                                                                      |                         | <b>Well Address:</b><br>HILLVIEW DRIVE<br>MI                                                                       | <b>Owner Address:</b><br>4777 DELEON DRIVE<br>MI |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 135.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Unknown<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 5.00 in. to 129.00 ft. depth<br><br><b>Borehole:</b> 8.75 in. to 135.00 ft. depth | <b>Well Use:</b> Test well<br><b>Date Completed:</b> 12/24/2003<br><b>Height:</b> 2.00 ft. above grade | <b>Pump Installed:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Static Water Level:</b> 9.20 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 11.40 ft. after 4.00 hrs. at 15 GPM<br><b>Yield Test Method:</b> Test pump                                                                                                                                  |                                                                                                        | <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Clay</td><td>10.00</td><td>10.00</td></tr> <tr><td>Sand Water Bearing</td><td>45.00</td><td>55.00</td></tr> <tr><td>Clay &amp; Gravel</td><td>65.00</td><td>120.00</td></tr> <tr><td>Gravel &amp; Sand</td><td>15.00</td><td>135.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | Formation Description | Thickness | Depth to Bottom | Clay | 10.00 | 10.00 | Sand Water Bearing | 45.00 | 55.00 | Clay & Gravel | 65.00 | 120.00 | Gravel & Sand | 15.00 | 135.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                | Thickness                                                                                              | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                 | 10.00                                                                                                  | 10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand Water Bearing                                                                                                                                                                                                                                                                                   | 45.00                                                                                                  | 55.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay & Gravel                                                                                                                                                                                                                                                                                        | 65.00                                                                                                  | 120.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gravel & Sand                                                                                                                                                                                                                                                                                        | 15.00                                                                                                  | 135.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 3.00 in.<br><b>Screen Material Type:</b> Stainless steel-wire wrapped<br><b>Screen Installation Type:</b> Telescoped<br><b>Slot Length Set Between:</b><br>12.00 6.00 ft. 129.00 ft. and 135.00 ft.<br><br><b>Fittings:</b> Neoprene packer  |                                                                                                        | <b>Filter Packed:</b> Yes<br><b>Blank:</b> 1.00 ft. Above<br><br><b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 9.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 119.00 ft.                                                                                                                                        |                                                                                                        | <b>Drilling Machine Operator Name:</b><br><b>Employment:</b> Unknown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Unknown                                                                                                                                                                                                                                                                  |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Unknown<br><b>Distance:</b><br><b>Direction:</b>                                                                                                                                                                                    |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |                                                                                                        | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> CLYMER BOYS PUMP & WELL SER IN<br><b>Business Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |                                                                                                        | <b>Reg No:</b> 46-1940<br><br><b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.<br><br><b>Signature of Registered Contractor</b> <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b> REQUIRED TEST TAKEN                                                                                                                                                                                                                                                          |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |           |                 |      |       |       |                    |       |       |               |       |        |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                  |                         |                                                                                                                                               |                          |                                                              |              |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------|--------------|---------------------------|
| <b>Tax No:</b>                                                                                                                                                                   | <b>Permit No:</b> 10833 | <b>County:</b> Lenawee                                                                                                                        | <b>Township:</b> Madison |                                                              |              |                           |
| <b>Well ID: 46000003922</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.875566<br><br><b>Longitude:</b> -84.065349<br><br><b>Method of Collection:</b> Interpolation-Map |                         | <b>Town/Range:</b><br>07S 03E                                                                                                                 | <b>Section:</b><br>9     | <b>Well Status:</b><br>Active                                | <b>WSSN:</b> | <b>Source ID/Well No:</b> |
|                                                                                                                                                                                  |                         | <b>Distance and Direction from Road Intersection:</b><br>SOUTH EAST CORNERS OF PARK DRIVE & BIRCHWOOD DRIVE; AIRPORT<br>S.C.H ON SIDE OF PARK |                          |                                                              |              |                           |
|                                                                                                                                                                                  |                         | <b>Well Owner:</b> JENN F. CUNNINGHAM                                                                                                         |                          |                                                              |              |                           |
|                                                                                                                                                                                  |                         | <b>Well Address:</b><br>2831 PARK DRIVE<br>ADRIAN, MI 49221                                                                                   |                          | <b>Owner Address:</b><br>2831 PARK DRIVE<br>ADRIAN, MI 49221 |              |                           |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 140.00 ft.<br><b>Well Type:</b> Unknown<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Unknown<br><b>Casing Fitting:</b> Drive shoe<br><br><b>Diameter:</b> 5.00 in. to 135.00 ft. depth<br><br><b>Borehole:</b> | <b>Well Use:</b> Household<br><b>Date Completed:</b> 7/30/1980<br><br><b>Height:</b>                                                                                                                                                          | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b><br><b>Manufacturer:</b> Aermotor<br><b>Model Number:</b><br><b>Drop Pipe Length:</b> 60.00 ft.<br><b>Drop Pipe Diameter:</b><br><b>Draw Down Seal Used:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Pump Installation Only:</b> No<br><b>HP:</b> 0.50<br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 10 GPM<br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b> |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Static Water Level:</b> 30.00 ft. Below Grade<br><b>Well Yield Test:</b><br>Pumping level 35.00 ft. after 2.00 hrs. at 40 GPM<br><br><b>Yield Test Method:</b> Unknown                                                                                                         |                                                                                                                                                                                                                                               | <table border="1"><thead><tr><th>Formation Description</th><th>Thickness</th><th>Depth to Bottom</th></tr></thead><tbody><tr><td>Gravel</td><td>33.00</td><td>33.00</td></tr><tr><td>Clay</td><td>37.00</td><td>70.00</td></tr><tr><td>Clay &amp; Sand</td><td>20.00</td><td>90.00</td></tr><tr><td>Clay</td><td>30.00</td><td>120.00</td></tr><tr><td>Gravel</td><td>20.00</td><td>140.00</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> |                                                                                                                                                                             | Formation Description | Thickness | Depth to Bottom | Gravel | 33.00 | 33.00 | Clay | 37.00 | 70.00 | Clay & Sand | 20.00 | 90.00 | Clay | 30.00 | 120.00 | Gravel | 20.00 | 140.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                             | Thickness                                                                                                                                                                                                                                     | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gravel                                                                                                                                                                                                                                                                            | 33.00                                                                                                                                                                                                                                         | 33.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                              | 37.00                                                                                                                                                                                                                                         | 70.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay & Sand                                                                                                                                                                                                                                                                       | 20.00                                                                                                                                                                                                                                         | 90.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                              | 30.00                                                                                                                                                                                                                                         | 120.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gravel                                                                                                                                                                                                                                                                            | 20.00                                                                                                                                                                                                                                         | 140.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 4.00 in.<br><b>Screen Material Type:</b> Unknown<br><b>Screen Installation Type:</b> Telescoped<br><b>Slot Length Set Between</b><br>10.00 4.00 ft. 136.00 ft. and 140.00 ft.<br><br><b>Fittings:</b> Threaded point      | <b>Filter Packed:</b> No<br><b>Blank:</b> *u                                                                                                                                                                                                  | <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 0.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 135.00 ft.                                                                                                                     | <b>Grouting Method:</b> Unknown                                                                                                                                                                                                               | <b>Drilling Machine Operator Name:</b><br><b>Employment:</b> Unknown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Pitless adapter                                                                                                                                                                                                                                       | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> GORDON & SONS<br><b>Business Address:</b>                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Sewer line<br><b>Distance:</b> 50 ft.<br><b>Direction:</b> West                                                                                                                                                  | <b>Reg No:</b><br><br><b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.<br><br><b>Signature of Registered Contractor</b> <b>Date</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Abandoned Well Plugged:</b><br><br><br><br><br><b>Casing Removed:</b>                                                                                                                                                                                                          |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |                       |           |                 |        |       |       |      |       |       |             |       |       |      |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                      |                         |                                                                                      |                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Tax No:</b> 1000108444000                                                                                                                                                         | <b>Permit No:</b> 24615 | <b>County:</b> Lenawee                                                               | <b>Township:</b> Madison                                     |
| <b>Well ID: 46000004137</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.88149654<br><br><b>Longitude:</b> -84.08682225<br><br><b>Method of Collection:</b> Interpolation-Map |                         | <b>Town/Range:</b> 07S 03E                                                           | <b>Section:</b> 8                                            |
|                                                                                                                                                                                      |                         | <b>Well Status:</b> Active                                                           | <b>WSSN:</b>                                                 |
|                                                                                                                                                                                      |                         | <b>Source ID/Well No:</b>                                                            |                                                              |
|                                                                                                                                                                                      |                         | <b>Distance and Direction from Road Intersection:</b><br>HILLVIEW SUBDIVISION, LOT F |                                                              |
|                                                                                                                                                                                      |                         | <b>Well Owner:</b> LOUIS SCHAAP                                                      |                                                              |
|                                                                                                                                                                                      |                         | <b>Well Address:</b><br>3064 HILLVIEW DR.<br>ADRIAN, MI 49221                        | <b>Owner Address:</b><br>1100 SUTTON RD.<br>ADRIAN, MI 49221 |

|                                               |                                  |                                            |                                   |
|-----------------------------------------------|----------------------------------|--------------------------------------------|-----------------------------------|
| <b>Drilling Method:</b> Rotary                | <b>Well Use:</b> Household       | <b>Pump Installed:</b> Yes                 | <b>Pump Installation Only:</b> No |
| <b>Well Depth:</b> 136.00 ft.                 | <b>Date Completed:</b> 9/11/2004 | <b>Pump Installation Date:</b>             | <b>HP:</b> 1.00                   |
| <b>Well Type:</b> New                         | <b>Height:</b>                   | <b>Manufacturer:</b> F.E. Myers            | <b>Pump Type:</b> Submersible     |
| <b>Casing Type:</b> PVC plastic               |                                  | <b>Model Number:</b>                       | <b>Pump Capacity:</b> 20 GPM      |
| <b>Casing Joint:</b> Unknown                  |                                  | <b>Drop Pipe Length:</b> 100.00 ft.        | <b>Pump Voltage:</b>              |
| <b>Casing Fitting:</b> Unknown                |                                  | <b>Drop Pipe Diameter:</b>                 | <b>Drilling Record ID:</b>        |
| <b>Diameter:</b> 5.00 in. to 130.00 ft. depth |                                  | <b>Draw Down Seal Used:</b> No             |                                   |
| <b>Borehole:</b> 8.75 in. to 136.00 ft. depth |                                  | <b>Pressure Tank Installed:</b> No         |                                   |
|                                               |                                  | <b>Pressure Relief Valve Installed:</b> No |                                   |

|                                                                           |                                     |                              |                  |                        |
|---------------------------------------------------------------------------|-------------------------------------|------------------------------|------------------|------------------------|
| <b>Static Water Level:</b> 10.00 ft. Below Grade                          | <b>Yield Test Method:</b> Test pump | <b>Formation Description</b> | <b>Thickness</b> | <b>Depth to Bottom</b> |
| <b>Well Yield Test:</b> Pumping level 45.00 ft. after 2.00 hrs. at 20 GPM |                                     | Clay                         | 10.00            | 10.00                  |
|                                                                           |                                     | Sand Fine                    | 80.00            | 90.00                  |
|                                                                           |                                     | Clay                         | 28.00            | 118.00                 |
|                                                                           |                                     | Sand & Gravel                | 18.00            | 136.00                 |
| <b>Screen Installed:</b> Yes                                              | <b>Filter Packed:</b> Yes           |                              |                  |                        |
| <b>Screen Diameter:</b> 5.00 in.                                          | <b>Blank:</b> *u                    |                              |                  |                        |
| <b>Screen Material Type:</b> PVC-saw cut                                  |                                     |                              |                  |                        |
| <b>Screen Installation Type:</b> Attached                                 |                                     |                              |                  |                        |
| <b>Slot</b> <b>Length</b> <b>Set Between</b>                              |                                     |                              |                  |                        |
| 12.00 6.00 ft. 130.00 ft. and 136.00 ft.                                  |                                     |                              |                  |                        |
| <b>Fittings:</b> Unknown                                                  |                                     |                              |                  |                        |

|                                                                    |                                 |                         |
|--------------------------------------------------------------------|---------------------------------|-------------------------|
| <b>Well Grouted:</b> Yes                                           | <b>Grouting Method:</b> Unknown | <b>Geology Remarks:</b> |
| <b>Grouting Material</b> <b>Bags</b> <b>Additives</b> <b>Depth</b> |                                 |                         |
| Bentonite slurry 8.00 None 0.00 ft. to 120.00 ft.                  |                                 |                         |

|                                                                    |
|--------------------------------------------------------------------|
| <b>Wellhead Completion:</b> Pitless adapter, 12 inches above grade |
|--------------------------------------------------------------------|

|                                                  |                                                    |
|--------------------------------------------------|----------------------------------------------------|
| <b>Nearest Source of Possible Contamination:</b> | <b>Drilling Machine Operator Name:</b> ERIK CLYMER |
| <b>Type</b> <b>Distance</b> <b>Direction</b>     | <b>Employment:</b> Unknown                         |
| Septic tank 50 ft. Southeast                     |                                                    |

|                                                        |                        |
|--------------------------------------------------------|------------------------|
| <b>Contractor Type:</b> Water Well Drilling Contractor | <b>Reg No:</b> 46-1940 |
| <b>Business Name:</b> CLYMER BOYS PUMP AND WELL        |                        |
| <b>Business Address:</b>                               |                        |

|                                                                                                            |             |
|------------------------------------------------------------------------------------------------------------|-------------|
| <b>Water Well Contractor's Certification</b>                                                               |             |
| This well was drilled under my supervision and this report is true to the best of my knowledge and belief. |             |
| <b>Signature of Registered Contractor</b>                                                                  | <b>Date</b> |

|                         |
|-------------------------|
| <b>General Remarks:</b> |
|-------------------------|

|                       |
|-----------------------|
| <b>Other Remarks:</b> |
|-----------------------|





# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                             |                         |                                                                                                          |                          |                            |                                                               |                           |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|---------------------------------------------------------------|---------------------------|--|
| <b>Tax No:</b> XAO 850022800                                                                                                                                                                | <b>Permit No:</b> 26791 | <b>County:</b> Lenawee                                                                                   | <b>Township:</b> Madison |                            |                                                               |                           |  |
| <b>Well ID: 46000005751</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.88974<br><br><b>Longitude:</b> -84.05251<br><br><b>Method of Collection:</b> GPS Std Positioning Svc SA Off |                         | <b>Town/Range:</b> 07S 03E                                                                               | <b>Section:</b> 3        | <b>Well Status:</b> Active | <b>WSSN:</b>                                                  | <b>Source ID/Well No:</b> |  |
|                                                                                                                                                                                             |                         | <b>Distance and Direction from Road Intersection:</b><br>200 FEET EAST OF SCOTT ST ON NORTH SIDE OF BURR |                          |                            |                                                               |                           |  |
|                                                                                                                                                                                             |                         | <b>Well Owner:</b> CITY OF ADRIAN                                                                        |                          |                            |                                                               |                           |  |
|                                                                                                                                                                                             |                         | <b>Well Address:</b><br>BURR PONDS PARK<br>ADRIAN, MI 49221                                              |                          |                            | <b>Owner Address:</b><br>100 E. CHURCH ST<br>ADRIAN, MI 49221 |                           |  |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 114.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Solvent welded/glued<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 5.00 in. to 104.00 ft. depth SDR: 21.00<br><br><b>Borehole:</b> 8.50 in. to 114.00 ft. depth | <b>Well Use:</b> Irrigation<br><b>Date Completed:</b> 9/4/2008<br><b>Height:</b> 1.00 ft. above grade<br><br><b>Static Water Level:</b> 17.00 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 75.00 ft. after 1.00 hrs. at 50 GPM<br><b>Yield Test Method:</b> Test pump | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b> 9/4/2008<br><b>Manufacturer:</b> AquaDuty<br><b>Model Number:</b> 45AA2S4PE<br><b>Drop Pipe Length:</b> 80.00 ft.<br><b>Drop Pipe Diameter:</b> 2.00 in.<br><b>Draw Down Seal Used:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Pump Installation Only:</b> No<br><b>HP:</b> 2.00<br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 50 GPM<br><b>Pump Voltage:</b><br><b>Drilling Record ID:</b> |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 5.00 in.<br><b>Screen Material Type:</b> Stainless steel-wire wrapped<br><b>Screen Installation Type:</b> Telescoped<br><b>Slot Length Set Between:</b><br>12.00 10.00 ft. 104.00 ft. and 114.00 ft.<br><br><b>Fittings:</b> None                                    |                                                                                                                                                                                                                                                                                   | <table border="1"><thead><tr><th>Formation Description</th><th>Thickness</th><th>Depth to Bottom</th></tr></thead><tbody><tr><td>Brown Clay</td><td>12.00</td><td>12.00</td></tr><tr><td>Gray Clay &amp; Gravel</td><td>14.00</td><td>26.00</td></tr><tr><td>Gray Clay</td><td>66.00</td><td>92.00</td></tr><tr><td>Sand &amp; Gravel</td><td>22.00</td><td>114.00</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> |                                                                                                                                                                             | Formation Description | Thickness           | Depth to Bottom | Brown Clay | 12.00                                                                                                                                                                                            | 12.00 | Gray Clay & Gravel | 14.00 | 26.00 | Gray Clay | 66.00 | 92.00 | Sand & Gravel | 22.00 | 114.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                                        | Thickness                                                                                                                                                                                                                                                                         | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Brown Clay                                                                                                                                                                                                                                                                                                                   | 12.00                                                                                                                                                                                                                                                                             | 12.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay & Gravel                                                                                                                                                                                                                                                                                                           | 14.00                                                                                                                                                                                                                                                                             | 26.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                                                    | 66.00                                                                                                                                                                                                                                                                             | 92.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                                                | 22.00                                                                                                                                                                                                                                                                             | 114.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Grouting Method:</b> Grout pipe outside casing<br><b>Bags:</b> 6.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 100.00 ft.                                                                                                           |                                                                                                                                                                                                                                                                                   | <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> Pitless adapter                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                   | <b>Drilling Machine Operator Name:</b> TERRY ALCOCK<br><b>Employment:</b> Employee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><table border="1"><thead><tr><th>Type</th><th>Distance</th><th>Direction</th></tr></thead><tbody><tr><td>Sewage pump chamber</td><td>50 ft.</td><td>South</td></tr></tbody></table>                                                                                      |                                                                                                                                                                                                                                                                                   | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Distance                                                                                                                                                                    | Direction             | Sewage pump chamber | 50 ft.          | South      | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> Alcock Drilling, Inc.<br><b>Business Address:</b> 6375 Sutton Road, Britton, MI, 49229<br><b>Reg No:</b> 46-1272 |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                                                                                                                                                                                                                         | Distance                                                                                                                                                                                                                                                                          | Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sewage pump chamber                                                                                                                                                                                                                                                                                                          | 50 ft.                                                                                                                                                                                                                                                                            | South                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   | <b>Water Well Contractor's Certification</b><br>This well was drilled under my supervision and this report is true to the best of my knowledge and belief.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   | <b>Signature of Registered Contractor</b> _____ <b>Date</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                             |                       |                     |                 |            |                                                                                                                                                                                                  |       |                    |       |       |           |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |





# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                            |                         |                                                                                                                        |                          |
|------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Tax No:</b> MDO115465500                                | <b>Permit No:</b> 27665 | <b>County:</b> Lenawee                                                                                                 | <b>Township:</b> Madison |
| <b>Well ID: 46000006742</b>                                |                         | <b>Town/Range:</b> 07S 03E                                                                                             | <b>Section:</b> 15       |
|                                                            |                         | <b>Well Status:</b> Active                                                                                             | <b>WSSN:</b>             |
|                                                            |                         | <b>Source ID/Well No:</b>                                                                                              |                          |
|                                                            |                         | <b>Distance and Direction from Road Intersection:</b><br>2/5 OF AMILE WEST OF M-52 ON THE NORTH SIDE OF W. CARLETON RD |                          |
| <b>Elevation:</b>                                          |                         | <b>Well Owner:</b> GRUDGER BAILEY                                                                                      |                          |
| <b>Latitude:</b> 41.86066                                  |                         | <b>Well Address:</b>                                                                                                   |                          |
| <b>Longitude:</b> -84.05049                                |                         | <b>Owner Address:</b>                                                                                                  |                          |
| <b>Method of Collection:</b> GPS Std Positioning Svc SA On |                         | 1418 W. CARLETON RD<br>ADRIAN, MI 49221                                                                                |                          |

|                                                                    |                                                   |                                                                                                                                                  |                                    |
|--------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>Drilling Method:</b> Rotary                                     | <b>Well Use:</b> Household                        | <b>Pump Installed:</b> Yes                                                                                                                       | <b>Pump Installation Only:</b> No  |
| <b>Well Depth:</b> 141.00 ft.                                      | <b>Date Completed:</b> 8/4/2012                   | <b>Pump Installation Date:</b> 8/4/2012                                                                                                          | <b>HP:</b> 0.50                    |
| <b>Well Type:</b> Replacement                                      | <b>Height:</b> 1.00 ft. above grade               | <b>Manufacturer:</b> F.E. Myers                                                                                                                  | <b>Pump Type:</b> Submersible      |
| <b>Casing Type:</b> PVC plastic                                    | <b>Casing Joint:</b> Solvent welded/glued         | <b>Model Number:</b> J512P                                                                                                                       | <b>Pump Capacity:</b> 10 GPM       |
| <b>Casing Fitting:</b> None                                        |                                                   | <b>Drop Pipe Length:</b> 67.00 ft.                                                                                                               | <b>Pump Voltage:</b> 230           |
|                                                                    |                                                   | <b>Drop Pipe Diameter:</b> 1.00 in.                                                                                                              | <b>Drilling Record ID:</b>         |
| <b>Diameter:</b> 5.00 in. to 133.00 ft. depth                      |                                                   | <b>Draw Down Seal Used:</b> No                                                                                                                   |                                    |
| <b>Borehole:</b> 8.00 in. to 141.00 ft. depth                      |                                                   | <b>Pressure Tank Installed:</b> Yes                                                                                                              |                                    |
|                                                                    |                                                   | <b>Pressure Tank Type:</b> Diaphragm/bladder                                                                                                     |                                    |
|                                                                    |                                                   | <b>Manufacturer:</b> Other                                                                                                                       |                                    |
|                                                                    |                                                   | <b>Model Number:</b> PF-20                                                                                                                       | <b>Tank Capacity:</b> 20.0 Gallons |
|                                                                    |                                                   | <b>Pressure Relief Valve Installed:</b> Yes                                                                                                      |                                    |
| <b>Static Water Level:</b> 35.00 ft. Below Grade                   |                                                   | <b>Formation Description</b>                                                                                                                     | <b>Thickness</b>                   |
| <b>Well Yield Test:</b>                                            | <b>Yield Test Method:</b> Air                     |                                                                                                                                                  | <b>Depth to Bottom</b>             |
| Pumping level 45.00 ft. after 2.00 hrs. at 15 GPM                  |                                                   | Clay                                                                                                                                             | 45.00                              |
|                                                                    |                                                   | Sand                                                                                                                                             | 8.00                               |
|                                                                    |                                                   | Clay                                                                                                                                             | 64.00                              |
|                                                                    |                                                   | Sand                                                                                                                                             | 7.00                               |
|                                                                    |                                                   | Clay                                                                                                                                             | 8.00                               |
|                                                                    |                                                   | Sand & Gravel                                                                                                                                    | 9.00                               |
|                                                                    |                                                   |                                                                                                                                                  |                                    |
|                                                                    |                                                   |                                                                                                                                                  |                                    |
|                                                                    |                                                   |                                                                                                                                                  |                                    |
|                                                                    |                                                   |                                                                                                                                                  |                                    |
|                                                                    |                                                   |                                                                                                                                                  |                                    |
|                                                                    |                                                   |                                                                                                                                                  |                                    |
| <b>Screen Installed:</b> Yes                                       | <b>Filter Packed:</b> Yes                         | <b>Geology Remarks:</b>                                                                                                                          |                                    |
| <b>Screen Diameter:</b> 4.00 in.                                   | <b>Blank:</b>                                     |                                                                                                                                                  |                                    |
| <b>Screen Material Type:</b> Stainless steel-slotted               |                                                   |                                                                                                                                                  |                                    |
| <b>Screen Installation Type:</b> Attached                          |                                                   |                                                                                                                                                  |                                    |
| <b>Slot</b>                                                        | <b>Length</b>                                     |                                                                                                                                                  |                                    |
| 0.18                                                               | 8.00 ft.                                          |                                                                                                                                                  |                                    |
|                                                                    | <b>Set Between</b>                                |                                                                                                                                                  |                                    |
|                                                                    | 133.00 ft. and 141.00 ft.                         |                                                                                                                                                  |                                    |
| <b>Fittings:</b> None                                              |                                                   |                                                                                                                                                  |                                    |
| <b>Well Grouted:</b> Yes                                           | <b>Grouting Method:</b> Grout pipe outside casing |                                                                                                                                                  |                                    |
| <b>Grouting Material</b>                                           | <b>Bags</b>                                       | <b>Additives</b>                                                                                                                                 | <b>Depth</b>                       |
| Bentonite slurry                                                   | 6.00                                              | None                                                                                                                                             | 0.00 ft. to 133.00 ft.             |
| <b>Wellhead Completion:</b> Pitless adapter, 12 inches above grade |                                                   |                                                                                                                                                  |                                    |
| <b>Nearest Source of Possible Contamination:</b>                   |                                                   | <b>Drilling Machine Operator Name:</b> JASON RICHARDS                                                                                            |                                    |
| <b>Type</b>                                                        | <b>Distance</b>                                   | <b>Employment:</b> Employee                                                                                                                      |                                    |
| Septic tank                                                        | 50 ft.                                            |                                                                                                                                                  |                                    |
|                                                                    | <b>Direction</b>                                  |                                                                                                                                                  |                                    |
|                                                                    | West                                              |                                                                                                                                                  |                                    |
| <b>Abandoned Well Plugged:</b> Yes                                 |                                                   | <b>Contractor Type:</b> Water Well Drilling Contractor                                                                                           |                                    |
|                                                                    |                                                   | <b>Reg No:</b> 46-0551                                                                                                                           |                                    |
|                                                                    |                                                   | <b>Business Name:</b> Gordon & Sons Water Well Drlg                                                                                              |                                    |
|                                                                    |                                                   | <b>Business Address:</b> 3768 W Monroe Rd, Tipton, MI, 49287                                                                                     |                                    |
|                                                                    |                                                   | <b>Water Well Contractor's Certification</b>                                                                                                     |                                    |
|                                                                    |                                                   | This well/pump was constructed under my supervision and I hereby certify that the work complies with Part 127 Act 368 PA 1978 and the well code. |                                    |
|                                                                    |                                                   | <b>Signature of Registered Contractor</b>                                                                                                        | <b>Date</b>                        |
| <b>General Remarks:</b>                                            |                                                   |                                                                                                                                                  |                                    |
| <b>Other Remarks:</b> Tank Manufacturer:PRO-FLOW                   |                                                   |                                                                                                                                                  |                                    |





# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Failure to comply is a misdemeanor.

Import ID:

|                                                                                                                                                                                            |                         |                                                                                                                       |                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Tax No:</b> MDO-115-4740-00                                                                                                                                                             | <b>Permit No:</b> TW402 | <b>County:</b> Lenawee                                                                                                | <b>Township:</b> Madison                                       |
| <b>Well ID: 46000007696</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.86222<br><br><b>Longitude:</b> -84.04436<br><br><b>Method of Collection:</b> GPS Std Positioning Svc SA On |                         | <b>Town/Range:</b> 07S 03E                                                                                            | <b>Section:</b> 15                                             |
|                                                                                                                                                                                            |                         | <b>Well Status:</b> Active                                                                                            | <b>WSSN:</b>                                                   |
|                                                                                                                                                                                            |                         | <b>Source ID/Well No:</b>                                                                                             |                                                                |
|                                                                                                                                                                                            |                         | <b>Distance and Direction from Road Intersection:</b><br>1/8 OF A MILE WEST OF M-52 ON THE NORTH SIDE OF CARLETON RD. |                                                                |
|                                                                                                                                                                                            |                         | <b>Well Owner:</b> TERRY DUMIRE                                                                                       |                                                                |
|                                                                                                                                                                                            |                         | <b>Well Address:</b><br>1000 BLOCK W. CARLETON RD<br>PARCEL C                                                         | <b>Owner Address:</b><br>1000 BLOCK W. CARLETON RD<br>PARCEL C |

|                                                                                                                                                  |                 |                                                              |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------|------------------------|
| <b>Drilling Method:</b> Rotary                                                                                                                   |                 | <b>Pump Installed:</b> No                                    |                        |
| <b>Well Depth:</b> 192.00 ft.                                                                                                                    |                 | <b>Pressure Tank Installed:</b> No                           |                        |
| <b>Well Type:</b> New                                                                                                                            |                 | <b>Pressure Relief Valve Installed:</b> No                   |                        |
| <b>Well Use:</b> Test well                                                                                                                       |                 |                                                              |                        |
| <b>Date Completed:</b> 6/7/2016                                                                                                                  |                 |                                                              |                        |
| <b>Casing Type:</b> PVC plastic                                                                                                                  |                 | <b>Height:</b> 1.00 ft. above grade                          |                        |
| <b>Casing Joint:</b> Solvent welded/glued                                                                                                        |                 |                                                              |                        |
| <b>Casing Fitting:</b> None                                                                                                                      |                 |                                                              |                        |
| <b>Diameter:</b> 5.00 in. to 186.00 ft. depth                                                                                                    |                 |                                                              |                        |
| <b>Borehole:</b> 8.00 in. to 192.00 ft. depth                                                                                                    |                 |                                                              |                        |
| <b>Static Water Level:</b> 28.00 ft. Below Grade                                                                                                 |                 |                                                              |                        |
| <b>Well Yield Test:</b>                                                                                                                          |                 | <b>Yield Test Method:</b> Test pump                          |                        |
| Pumping level 40.50 ft. after 4.00 hrs. at 15 GPM                                                                                                |                 |                                                              |                        |
| <b>Screen Installed:</b> Yes                                                                                                                     |                 | <b>Filter Packed:</b> Yes                                    |                        |
| <b>Screen Diameter:</b> 4.00 in.                                                                                                                 |                 | <b>Blank:</b>                                                |                        |
| <b>Screen Material Type:</b> Stainless steel-slotted                                                                                             |                 |                                                              |                        |
| <b>Screen Installation Type:</b> Attached                                                                                                        |                 |                                                              |                        |
| <b>Slot</b>                                                                                                                                      | <b>Length</b>   | <b>Set Between</b>                                           |                        |
| 0.18                                                                                                                                             | 6.00 ft.        | 186.00 ft. and 192.00 ft.                                    |                        |
| <b>Fittings:</b> None                                                                                                                            |                 |                                                              |                        |
| <b>Well Grouted:</b> Yes                                                                                                                         |                 | <b>Grouting Method:</b> Grout pipe outside casing            |                        |
| <b>Grouting Material</b>                                                                                                                         | <b>Bags</b>     | <b>Additives</b>                                             | <b>Depth</b>           |
| Bentonite dry granular                                                                                                                           | 8.00            | None                                                         | 0.00 ft. to 186.00 ft. |
| <b>Wellhead Completion:</b> 12 inches above grade                                                                                                |                 | <b>Geology Remarks:</b>                                      |                        |
| <b>Nearest Source of Possible Contamination:</b>                                                                                                 |                 | <b>Drilling Machine Operator Name:</b> JASON RICHARDS        |                        |
| <b>Type</b>                                                                                                                                      | <b>Distance</b> | <b>Employment:</b> Employee                                  |                        |
| Septic tank                                                                                                                                      | 50 ft.          |                                                              |                        |
|                                                                                                                                                  |                 | <b>Contractor Type:</b> Water Well Drilling Contractor       |                        |
|                                                                                                                                                  |                 | <b>Reg No:</b> 46-0551                                       |                        |
|                                                                                                                                                  |                 | <b>Business Name:</b> Gordon & Sons Water Well Drlg          |                        |
|                                                                                                                                                  |                 | <b>Business Address:</b> 3768 W Monroe Rd, Tipton, MI, 49287 |                        |
| <b>Water Well Contractor's Certification</b>                                                                                                     |                 |                                                              |                        |
| This well/pump was constructed under my supervision and I hereby certify that the work complies with Part 127 Act 368 PA 1978 and the well code. |                 |                                                              |                        |
| <b>Signature of Registered Contractor</b>                                                                                                        |                 | <b>Date</b>                                                  |                        |
| <b>General Remarks:</b>                                                                                                                          |                 |                                                              |                        |
| <b>Other Remarks:</b>                                                                                                                            |                 |                                                              |                        |





# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                               |                         |                                                                                                              |                          |                            |                                                                       |                           |  |
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| <b>Tax No:</b> 755-0040-00                                                                                                                                                                    | <b>Permit No:</b> 28609 | <b>County:</b> Lenawee                                                                                       | <b>Township:</b> Madison |                            |                                                                       |                           |  |
| <b>Well ID: 46000007914</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.867928<br><br><b>Longitude:</b> -84.086009<br><br><b>Method of Collection:</b> GPS Std Positioning Svc SA Off |                         | <b>Town/Range:</b> 07S 03E                                                                                   | <b>Section:</b> 17       | <b>Well Status:</b> Active | <b>WSSN:</b>                                                          | <b>Source ID/Well No:</b> |  |
|                                                                                                                                                                                               |                         | <b>Distance and Direction from Road Intersection:</b><br>2nd house from end of Plainview north on south side |                          |                            |                                                                       |                           |  |
|                                                                                                                                                                                               |                         | <b>Well Owner:</b> Ryan McCormick                                                                            |                          |                            |                                                                       |                           |  |
|                                                                                                                                                                                               |                         | <b>Well Address:</b><br>Lot 4 Plainview Dr North<br>Adrian, MI 49221                                         |                          |                            | <b>Owner Address:</b><br>Lot 4 Plainview Dr North<br>Adrian, MI 49221 |                           |  |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 150.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Solvent welded/glued<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 5.00 in. to 142.00 ft. depth SDR: 21.00<br><br><b>Borehole:</b> 8.75 in. to 150.00 ft. depth                                                                 | <b>Well Use:</b> Household<br><b>Date Completed:</b> 12/1/2016<br><b>Height:</b> 1.00 ft. above grade<br><br><b>Static Water Level:</b> 30.00 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 140.00 ft. after 1.00 hrs. at 50 GPM<br><b>Yield Test Method:</b> Air<br><br><b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 3.00 in.<br><b>Screen Material Type:</b> Stainless steel-wire wrapped<br><b>Screen Installation Type:</b> Attached<br><b>Slot Length Set Between:</b><br>15.00 8.00 ft. 142.00 ft. and 150.00 ft.<br><br><b>Fittings:</b> None<br><br><b>Well Grouted:</b> Yes<br><b>Grouting Method:</b> Grout pipe outside casing<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 14.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 135.00 ft.<br><br><b>Wellhead Completion:</b> 12 inches above grade<br><br><b>Nearest Source of Possible Contamination:</b><br><table border="1"><thead><tr><th>Type</th><th>Distance</th><th>Direction</th></tr></thead><tbody><tr><td>Septic tank</td><td>50 ft.</td><td>South</td></tr></tbody></table> | Type                                                                                 | Distance | Direction | Septic tank | 50 ft. | South | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b> 2/21/2017<br><b>Manufacturer:</b> Sta-Rite<br><b>Model Number:</b> S10P4HS05221-03<br><b>Drop Pipe Length:</b> 40.00 ft.<br><b>Drop Pipe Diameter:</b> 1.00 in.<br><b>Draw Down Seal Used:</b> No<br><br><b>Pump Installation Only:</b> No<br><b>HP:</b> 0.50<br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 10 GPM<br><b>Pump Voltage:</b> 230<br><b>Drilling Record ID:</b><br><br><b>Pressure Tank Installed:</b> Yes<br><b>Pressure Tank Type:</b> Diaphragm/bladder<br><b>Manufacturer:</b> Flex-Lite-Flexcon<br><b>Model Number:</b> FL-7<br><b>Tank Capacity:</b> 22.0 Gallons<br><b>Pressure Relief Valve Installed:</b> Yes | <table border="1"><thead><tr><th>Formation Description</th><th>Thickness</th><th>Depth to Bottom</th></tr></thead><tbody><tr><td>Brown Sand &amp; Gravel</td><td>23.00</td><td>23.00</td></tr><tr><td>Gray Clay</td><td>67.00</td><td>90.00</td></tr><tr><td>Gray Clay &amp; Gravel</td><td>47.00</td><td>137.00</td></tr><tr><td>Gray Sand &amp; Gravel</td><td>13.00</td><td>150.00</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> | Formation Description | Thickness | Depth to Bottom | Brown Sand & Gravel | 23.00 | 23.00 | Gray Clay | 67.00 | 90.00 | Gray Clay & Gravel | 47.00 | 137.00 | Gray Sand & Gravel | 13.00 | 150.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Type                                                                                                                                                                                                                                                                                                                                                                                         | Distance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Direction                                                                            |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Septic tank                                                                                                                                                                                                                                                                                                                                                                                  | 50 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | South                                                                                |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                                                                                                        | Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Depth to Bottom                                                                      |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Brown Sand & Gravel                                                                                                                                                                                                                                                                                                                                                                          | 23.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 23.00                                                                                |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                                                                                                                    | 67.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 90.00                                                                                |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay & Gravel                                                                                                                                                                                                                                                                                                                                                                           | 47.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 137.00                                                                               |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Sand & Gravel                                                                                                                                                                                                                                                                                                                                                                           | 13.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 150.00                                                                               |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Drilling Machine Operator Name:</b> Matt Kleinfelt<br><b>Employment:</b> Employee |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> Sebastian & Sons<br><b>Business Address:</b> 28731 U Drive N, Springport, MI, 49284<br><b>Reg No:</b> 13-1559<br><b>Water Well Contractor's Certification</b><br>This well and/or pump installation was performed under my registration.<br><br><b>Signature of Registered Contractor</b><br><br><b>Date</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |          |           |             |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |           |                 |                     |       |       |           |       |       |                    |       |        |                    |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |







# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                            |                         |                                                                                                                          |                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Tax No:</b> XAO-109-1150-02                                                                                                                                                             | <b>Permit No:</b> 29087 | <b>County:</b> Lenawee                                                                                                   | <b>Township:</b> Madison                                          |
| <b>Well ID: 46000008378</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.88665<br><br><b>Longitude:</b> -84.07692<br><br><b>Method of Collection:</b> GPS Std Positioning Svc SA On |                         | <b>Town/Range:</b> 07S 03E                                                                                               | <b>Section:</b> 9                                                 |
|                                                                                                                                                                                            |                         | <b>Well Status:</b> Active                                                                                               | <b>WSSN:</b>                                                      |
|                                                                                                                                                                                            |                         | <b>Source ID/Well No:</b>                                                                                                |                                                                   |
|                                                                                                                                                                                            |                         | <b>Distance and Direction from Road Intersection:</b><br>1/4 MILE EAST OF SAND CREEK HWY ON THE SOUTH SIDE OF BEECHER RD |                                                                   |
|                                                                                                                                                                                            |                         | <b>Well Owner:</b> FLURESH INC.                                                                                          |                                                                   |
|                                                                                                                                                                                            |                         | <b>Well Address:</b><br>1751 WEST BEECHER RD<br>ADRIAN, MI 49221                                                         | <b>Owner Address:</b><br>1751 WEST BEECHER RD<br>ADRIAN, MI 49221 |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 124.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Solvent welded/glued<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 6.25 in. to 104.00 ft. depth SDR: 21.00<br><br><b>Borehole:</b> 10.00 in. to 124.00 ft. depth | <b>Well Use:</b> Irrigation<br><b>Date Completed:</b> 12/13/2018<br><b>Height:</b> 1.00 ft. above grade<br><br><b>Static Water Level:</b> 31.00 ft. Below Grade<br><b>Well Yield Test:</b> Pumping level 41.00 ft. after 4.00 hrs. at 100 GPM<br><b>Yield Test Method:</b> Test pump | <b>Pump Installed:</b> Yes<br><b>Pump Installation Date:</b> 3/4/2019<br><b>Manufacturer:</b> Franklin Electric<br><b>Model Number:</b> 2366528120<br><b>Drop Pipe Length:</b> 80.00 ft.<br><b>Drop Pipe Diameter:</b> 3.00 in.<br><b>Draw Down Seal Used:</b> No<br><br><b>Pressure Tank Installed:</b> Yes<br><b>Pressure Tank Type:</b> Diaphragm/bladder<br><b>Manufacturer:</b> Well-X-Trol<br><b>Model Number:</b> WX251<br><b>Pressure Relief Valve Installed:</b> Yes                                                                                                                                                                                                                                                                                                                                     | <b>Pump Installation Only:</b> No<br><b>HP:</b> 10.00<br><b>Pump Type:</b> Submersible<br><b>Pump Capacity:</b> 100 GPM<br><b>Pump Voltage:</b> 200<br><b>Drilling Record ID:</b> |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 6.00 in.<br><b>Screen Material Type:</b> Stainless steel-slotted<br><b>Screen Installation Type:</b> Attached<br><b>Slot Length Set Between:</b><br>0.15 20.00 ft. 104.00 ft. and 124.00 ft.<br><br><b>Fittings:</b> None                                             | <b>Filter Packed:</b> Yes<br><b>Blank:</b><br><br><b>Well Grouted:</b> Yes<br><b>Grouting Method:</b> Grout pipe outside casing<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 10.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 104.00 ft.                | <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Clay</td><td>17.00</td><td>17.00</td></tr> <tr><td>Sand</td><td>4.00</td><td>21.00</td></tr> <tr><td>Clay</td><td>26.00</td><td>47.00</td></tr> <tr><td>Sand</td><td>5.00</td><td>52.00</td></tr> <tr><td>Clay</td><td>45.00</td><td>97.00</td></tr> <tr><td>Sand &amp; Gravel</td><td>27.00</td><td>124.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> |                                                                                                                                                                                   | Formation Description | Thickness | Depth to Bottom | Clay  | 17.00                                                                                | 17.00 | Sand | 4.00 | 21.00 | Clay | 26.00 | 47.00 | Sand | 5.00 | 52.00 | Clay | 45.00 | 97.00 | Sand & Gravel | 27.00 | 124.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                                         | Thickness                                                                                                                                                                                                                                                                            | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                                          | 17.00                                                                                                                                                                                                                                                                                | 17.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                                          | 4.00                                                                                                                                                                                                                                                                                 | 21.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                                          | 26.00                                                                                                                                                                                                                                                                                | 47.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                                          | 5.00                                                                                                                                                                                                                                                                                 | 52.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Clay                                                                                                                                                                                                                                                                                                                          | 45.00                                                                                                                                                                                                                                                                                | 97.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Gravel                                                                                                                                                                                                                                                                                                                 | 27.00                                                                                                                                                                                                                                                                                | 124.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Wellhead Completion:</b> 12 inches above grade                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                      | <b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><table border="1"> <thead> <tr> <th>Type</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Other</td> <td>500 ft.</td> <td>North</td> </tr> </tbody> </table>                                                                                     |                                                                                                                                                                                                                                                                                      | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Distance                                                                                                                                                                          | Direction             | Other     | 500 ft.         | North | <b>Drilling Machine Operator Name:</b> JASON RICHARDS<br><b>Employment:</b> Employee |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                                                                                                                                                                                                                          | Distance                                                                                                                                                                                                                                                                             | Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other                                                                                                                                                                                                                                                                                                                         | 500 ft.                                                                                                                                                                                                                                                                              | North                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                      | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> Gordon & Sons Water Well Drlg<br><b>Business Address:</b> 3768 W Monroe Rd, Tipton, MI, 49287<br><b>Reg No:</b> 46-0551<br><b>Water Well Contractor's Certification</b><br>This well and/or pump installation was performed under my registration.<br><br><b>Signature of Registered Contractor</b> <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b> Contamination Source 1:SEWER MAIN                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   |                       |           |                 |       |                                                                                      |       |      |      |       |      |       |       |      |      |       |      |       |       |               |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

|                                                                                                                                                                                  |                         |                                                                                                                  |                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Tax No:</b> MDO-755-0050-00                                                                                                                                                   | <b>Permit No:</b> 29292 | <b>County:</b> Lenawee                                                                                           | <b>Township:</b> Madison                                                |
| <b>Well ID: 46000008587</b><br><br><b>Elevation:</b><br><br><b>Latitude:</b> 41.868254<br><br><b>Longitude:</b> -84.086573<br><br><b>Method of Collection:</b> Interpolation-Map |                         | <b>Town/Range:</b> 07S 03E                                                                                       | <b>Section:</b> 17                                                      |
|                                                                                                                                                                                  |                         | <b>Well Status:</b> Active                                                                                       | <b>WSSN:</b>                                                            |
|                                                                                                                                                                                  |                         | <b>Source ID/Well No:</b>                                                                                        |                                                                         |
|                                                                                                                                                                                  |                         | <b>Distance and Direction from Road Intersection:</b><br>LOT 5 - SOUTH OF CADMUS RD. AND WEST OF SAND CREEK HWY. |                                                                         |
|                                                                                                                                                                                  |                         | <b>Well Owner:</b> TOM AND CINDY PECHAITIS                                                                       |                                                                         |
|                                                                                                                                                                                  |                         | <b>Well Address:</b><br>3178 N. PLANEVIEW DR.<br>ADRIAN, MI 49221                                                | <b>Owner Address:</b><br>3178 3178 N. PLANEVIEW DR.<br>ADRIAN, MI 49221 |

| <b>Drilling Method:</b> Rotary<br><b>Well Depth:</b> 150.00 ft.<br><b>Well Type:</b> New<br><b>Casing Type:</b> PVC plastic<br><b>Casing Joint:</b> Solvent welded/glued<br><b>Casing Fitting:</b> None<br><br><b>Diameter:</b> 5.68 in. to 146.00 ft. depth SDR: 21.00<br>0.00 in. to 146.00 ft. depth SDR: 0.00<br><br><b>Borehole:</b> 9.00 in. to 150.00 ft. depth |           | <b>Pump Installed:</b> No<br><b>Pressure Tank Installed:</b> No<br><b>Pressure Relief Valve Installed:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Well Use:</b> Household<br><b>Date Completed:</b> 12/4/2019<br><b>Height:</b> 1.00 ft. above grade<br><br><b>Static Water Level:</b> 15.00 ft. Below Grade<br><b>Well Yield Test:</b><br>Pumping level 40.00 ft. after 2.00 hrs. at 60 GPM<br>Pumping level 50.00 ft. after 2.00 hrs. at 80 GPM                                                                     |           | <table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Sand</td><td>12.00</td><td>12.00</td></tr> <tr><td>Gray Clay</td><td>15.00</td><td>27.00</td></tr> <tr><td>Sand</td><td>15.00</td><td>42.00</td></tr> <tr><td>Gray Clay</td><td>23.00</td><td>65.00</td></tr> <tr><td>Sand &amp; Clay</td><td>15.00</td><td>80.00</td></tr> <tr><td>Gray Clay</td><td>35.00</td><td>115.00</td></tr> <tr><td>Sand &amp; Clay</td><td>22.00</td><td>137.00</td></tr> <tr><td>Gravel</td><td>13.00</td><td>150.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> |  | Formation Description | Thickness | Depth to Bottom | Sand | 12.00 | 12.00 | Gray Clay | 15.00 | 27.00 | Sand | 15.00 | 42.00 | Gray Clay | 23.00 | 65.00 | Sand & Clay | 15.00 | 80.00 | Gray Clay | 35.00 | 115.00 | Sand & Clay | 22.00 | 137.00 | Gravel | 13.00 | 150.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation Description                                                                                                                                                                                                                                                                                                                                                  | Thickness | Depth to Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                                                                                   | 12.00     | 12.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                                                                                              | 15.00     | 27.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand                                                                                                                                                                                                                                                                                                                                                                   | 15.00     | 42.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                                                                                              | 23.00     | 65.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Clay                                                                                                                                                                                                                                                                                                                                                            | 15.00     | 80.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gray Clay                                                                                                                                                                                                                                                                                                                                                              | 35.00     | 115.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sand & Clay                                                                                                                                                                                                                                                                                                                                                            | 22.00     | 137.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gravel                                                                                                                                                                                                                                                                                                                                                                 | 13.00     | 150.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Screen Installed:</b> Yes<br><b>Screen Diameter:</b> 5.00 in.<br><b>Screen Material Type:</b> Stainless steel-wire wrapped<br><b>Screen Installation Type:</b> Telescoped<br><b>Slot Length Set Between:</b><br>25.00 14.00 ft. 146.00 ft. and 150.00 ft.<br><br><b>Fittings:</b> Neoprene packer                                                                   |           | <b>Filter Packed:</b> No<br><b>Blank:</b><br><br><b>Geology Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Well Grouted:</b> Yes<br><b>Grouting Material:</b> Bentonite slurry<br><b>Bags:</b> 12.00<br><b>Additives:</b> None<br><b>Depth:</b> 0.00 ft. to 140.00 ft.                                                                                                                                                                                                         |           | <b>Wellhead Completion:</b> 12 inches above grade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Nearest Source of Possible Contamination:</b><br><b>Type:</b> Drainfield/Dry well<br><b>Distance:</b> 110 ft.<br><b>Direction:</b> East                                                                                                                                                                                                                             |           | <b>Drilling Machine Operator Name:</b> Kurt Wing<br><b>Employment:</b> Employee<br><b>Pump Installer:</b> NOT YET INSTALLED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Contractor Type:</b> Water Well Drilling Contractor<br><b>Business Name:</b> Cribley Drilling Company<br><b>Business Address:</b> 8300 Dexter-Chelsea Rd, Dexter, MI, 48130<br><b>Reg No:</b> 81-2014<br><b>Water Well Contractor's Certification</b><br>This well and/or pump installation was performed under my registration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Signature of Registered Contractor</b> _____ <b>Date</b> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>General Remarks:</b> PUMPING EQUIPMENT TO BE INSTALLED BY OTHER THAN CRIBLEY DRILLING CO., INC.                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Other Remarks:</b>                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                       |           |                 |      |       |       |           |       |       |      |       |       |           |       |       |             |       |       |           |       |        |             |       |        |        |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Attachment III**  
**Tritium Laboratory Report**

Address: 1308 Parkland Court Champaign, IL 61821-1826 Phone: 217-398-3490

## SEND DATA TO:

Name: Tim Watterson  
Company: Madison Charter Township  
Address: 3804 S Adrian Hwy  
City/State: Adrian, Michigan  
Phone: 517-403-0428  
Email: twatterson@madisontwp.com

## SEND INVOICE TO: (if different from SEND DATA TO:)

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City/State: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Project: New Drinking Water production Well Aquifer AssessmentPurchase Order #: 05092023Location: 3495 Baldwin Hwy WSSN-MI0004006Sampled By: Tim WattersonSelect One: ☐ Standard ☐ Priority ☒ Rush

## Sample Description

| Container Number | Sample Identification       | Date Sampled | Time    | Analyses Requested |         |  | Comments           |
|------------------|-----------------------------|--------------|---------|--------------------|---------|--|--------------------|
|                  |                             |              |         | TEE                | TEE     |  |                    |
| #1               | 3495 Baldwin Hwy N. Raw Tap | 5/9/2023     | 9:30 am | Tritium            |         |  | North Well Raw Tap |
| #2               | 3495 Baldwin Hwy S. Raw Tap | 5/9/2023     | 3:30 pm |                    | Tritium |  | South Well Raw Tap |
|                  |                             |              |         |                    |         |  |                    |
|                  |                             |              |         |                    |         |  |                    |
|                  |                             |              |         |                    |         |  |                    |
|                  |                             |              |         |                    |         |  |                    |
|                  |                             |              |         |                    |         |  |                    |
|                  |                             |              |         |                    |         |  |                    |
|                  |                             |              |         |                    |         |  |                    |

## Chain-of-Custody Record

| Signature                                                                | Company                  | Date    | Time  |
|--------------------------------------------------------------------------|--------------------------|---------|-------|
| Relinquished by <u>Tim Watterson</u><br><u>Les Schluter / SR Isotech</u> | Madison Charter Township | 5-10-23 | 12:30 |
| Received by                                                              |                          | 5-11-23 | 9:15  |
| Relinquished by                                                          |                          |         |       |
| Received by                                                              |                          |         |       |
| Relinquished by                                                          |                          |         |       |
| Received by                                                              |                          |         |       |

## ANALYSIS PACKAGE CODES

### Code    Analysis Included

#### **Natural Gas Characterization using high precision dual inlet IRMS**

NG-1 - Full GC composition,  $\delta^{13}\text{C}$  &  $\delta\text{D}$  of  $\text{CH}_4$

NG-2 - NG-1 plus  $\delta^{13}\text{C}$  of  $\text{C}_2\text{H}_6$  and  $\text{C}_3\text{H}_8$

NG-3 - NG-2 plus  $\delta^{13}\text{C}$  of  $\text{iC}_4\text{H}_{10}$  and  $\text{nC}_4\text{H}_{10}$

NG-4 - NG-3 plus  $\delta^{13}\text{C}$  of  $\text{iC}_5\text{H}_{12}$  and  $\text{nC}_5\text{H}_{12}$

\*-D - add  $\delta^{13}\text{C}$  of  $\text{CO}_2$  to any analysis package (e.g., NG-2-D)

#### **Bacterial Gas Characterization**

BG-1 - Full GC composition,  $\delta^{13}\text{C}$  of  $\text{CH}_4$  and  $\text{CO}_2$  &  $\delta\text{D}$  of  $\text{CH}_4$

BG-2 - BG-1 plus  $^{14}\text{C}$  of  $\text{CH}_4$

BG-3 - BG-2 plus  $^3\text{H}$  of  $\text{CH}_4$

#### **Dissolved Gas**

DGS - Dissolved gas screening, quantification of dissolved  $\text{CH}_4$ ,  $\text{C}_2\text{H}_6$ ,  $\text{C}_3\text{H}_8$

DG-1 - Full Dissolved Gas GC,  $\delta^{13}\text{C}$  &  $\delta\text{D}$  of  $\text{CH}_4$

DG-2 - DG-1 plus  $\delta^{13}\text{C}$  of  $\text{C}_2\text{H}_6$  and  $\text{C}_3\text{H}_8$

#### **Mud Gas / Headspace Gas**

MG-1 - Basic GC,  $\delta^{13}\text{C}$  of  $\text{CH}_4$  via GC-C-IRMS

MG-2 - MG-1 plus  $\delta^{13}\text{C}$  of  $\text{C}_2\text{H}_6$  and  $\text{C}_3\text{H}_8$  via GC-C-IRMS

#### **Water Isotope Analyses**

RAG - Radiocarbon analysis of groundwater -  $\delta^{13}\text{C}$  and  $^{14}\text{C}$  of dissolved inorganic carbon (DIC)

SIW - Stable isotopes package -  $\delta\text{D}$  and  $\delta^{18}\text{O}$  of water and  $\delta^{13}\text{C}$  of DIC

TDC - Tritium of water by liquid scintillation counter (LSC), detection limit of 10-15 TU

TEE - Tritium of water with electrolytic enrichment by LSC, detection limit of <1TU

#### **Water Chemistry Analyses**

WAB - Basic Suite - ( $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{Mg}^{2+}$ ,  $\text{Ca}^{2+}$ ) + ( $\text{SO}_4^{2-}$ ,  $\text{Cl}^-$ ), alkalinity, pH, conductivity, density

WAE - Environmental Suite - WAB + ( $\text{Ba}^{2+}$ ,  $\text{Sr}^{2+}$ ,  $\text{Fe}^{2+}$ ,  $\text{Fe}^{3+}$ ,  $\text{Mn}^{2+}$ ) + ( $\text{F}^-$ ,  $\text{Br}^-$ ,  $\text{NO}_3^-$ ,  $\text{PO}_4^{3-}$ )

WAO - Oilfield Suite - WAB + ( $\text{Ba}^{2+}$ ,  $\text{Sr}^{2+}$ ,  $\text{Fe}^{2+}$ ,  $\text{Fe}^{3+}$ ,  $\text{Mn}^{2+}$ ,  $\text{Li}^+$ ,  $\text{B}^{3+}$ ) + ( $\text{Br}^-$ )

Lab #: 871355 Job #: 54593 IS-113848 Co. Job#:  
Sample Name: 3495 Baldwin Hwy N Raw Tap Co. Lab#:  
Company: Madison Charter Township  
API/Well:  
Container: 1000 ml bottle  
Field/Site Name: New Drinking Water production Well Aquifer Assessment  
Location: 3495 Baldwin Hwy WSSN-MI0004006  
Formation/Depth:  
Sampling Point:  
Date Sampled: 5/09/2023 9:30 Date Received: 5/11/2023 Date Reported: 6/22/2023

$\delta D$  of water ----- na  
 $\delta^{18}O$  of water ----- na  
Tritium content of water ----- < 0.89 TU  
 $\delta^{13}C$  of DIC ----- na  
 $^{14}C$  content of DIC ----- na  
 $\delta^{15}N$  of nitrate ----- na  
 $\delta^{18}O$  of nitrate ----- na  
 $\delta^{34}S$  of sulfate ----- na  
 $\delta^{18}O$  of sulfate ----- na  
Vacuum Distilled? \* ----- No

Remarks:

nd = not detected. na = not analyzed.

\*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water



Lab #: 871356 Job #: 54593 IS-113848 Co. Job#:  
Sample Name: 3495 Baldwin Hwy S Raw Tap Co. Lab#:  
Company: Madison Charter Township  
API/Well:  
Container: 1000 ml bottle  
Field/Site Name: New Drinking Water production Well Aquifer Assessment  
Location: 3495 Baldwin Hwy WSSN-MI0004006  
Formation/Depth:  
Sampling Point:  
Date Sampled: 5/09/2023 15:30 Date Received: 5/11/2023 Date Reported: 6/22/2023

$\delta D$  of water ----- na  
 $\delta^{18}O$  of water ----- na  
Tritium content of water ----- < 1.25 TU  
 $\delta^{13}C$  of DIC ----- na  
 $^{14}C$  content of DIC ----- na  
 $\delta^{15}N$  of nitrate ----- na  
 $\delta^{18}O$  of nitrate ----- na  
 $\delta^{34}S$  of sulfate ----- na  
 $\delta^{18}O$  of sulfate ----- na  
Vacuum Distilled? \* ----- No

Remarks:

nd = not detected. na = not analyzed.

\*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water