

Minnesota Unique Well Number

840850

CountyChisago

Quad

Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date02/27/2020

Update Date02/28/2020

Received Date08/09/2019

|                                                                          |              |                              |          |          |            |                                                           |                                         |                             |                                        |                                     |                                        |
|--------------------------------------------------------------------------|--------------|------------------------------|----------|----------|------------|-----------------------------------------------------------|-----------------------------------------|-----------------------------|----------------------------------------|-------------------------------------|----------------------------------------|
| Well Name                                                                | Township     | Range                        | Dir      | Section  | Subsection | Well Depth                                                | Depth Completed                         | Date Well Completed         |                                        |                                     |                                        |
| MAECKELBERG                                                              | 33           | 20                           | W        | 28       | CDA        | 123 ft.                                                   | 123 ft.                                 | 07/18/2019                  |                                        |                                     |                                        |
| Elevation                                                                | Elev. Method |                              |          |          |            | Drill Method                                              | Non-specified Rotary                    | Drill Fluid                 | Bentonite                              |                                     |                                        |
| Address                                                                  |              |                              |          |          |            | Use                                                       | domestic                                | Status                      | Active                                 |                                     |                                        |
|                                                                          |              |                              |          |          |            | Well Hydrofractured?                                      | Yes                                     | <input type="checkbox"/>    | No                                     | <input checked="" type="checkbox"/> | From                                   |
| Stratigraphy Information                                                 |              |                              |          |          |            | Casing Type                                               | Single casing                           | Joint                       |                                        |                                     |                                        |
|                                                                          |              |                              |          |          |            | Drive Shoe?                                               | Yes                                     | <input type="checkbox"/>    | No                                     | <input type="checkbox"/>            | Above/Below                            |
| Geological Material                                                      |              | From                         | To (ft.) | Color    | Hardness   | Casing Diameter                                           | Weight                                  | Hole Diameter               |                                        |                                     |                                        |
| CLAY & GRAVEL                                                            |              | 0                            | 63       |          |            | 4 in. To                                                  | 113 ft. lbs./ft.                        | 8 in. To                    | 50 ft.                                 |                                     |                                        |
| SAND/GRAVEL                                                              |              | 63                           | 123      |          |            |                                                           |                                         | 6.2 in. To                  | 123 ft.                                |                                     |                                        |
| Open Hole                                                                |              |                              |          |          |            | From                                                      | ft.                                     | To                          | ft.                                    |                                     |                                        |
|                                                                          |              |                              |          |          |            | Screen?                                                   | <input checked="" type="checkbox"/>     | Type                        | slotted pipe                           | Make                                |                                        |
| Diameter                                                                 |              | Slot/Gauze                   | Length   | Set      |            |                                                           |                                         |                             |                                        |                                     |                                        |
| 4 in.                                                                    |              | 15                           | 10 ft.   | 113 ft.  | 123 ft.    |                                                           |                                         |                             |                                        |                                     |                                        |
| Static Water Level                                                       |              |                              |          |          |            | 47 ft.                                                    | land surface                            | Measure                     | 07/18/2019                             |                                     |                                        |
| Pumping Level (below land surface)                                       |              |                              |          |          |            | 90 ft.                                                    | 1 hrs.                                  | Pumping at                  | 20 g.p.m.                              |                                     |                                        |
| Wellhead Completion                                                      |              |                              |          |          |            | Pitless adapter manufacturer                              |                                         |                             |                                        | Model                               | SNAPPY                                 |
| <input type="checkbox"/> Casing Protection                               |              |                              |          |          |            | <input checked="" type="checkbox"/> 12 in. above grade    |                                         |                             |                                        |                                     |                                        |
| <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY) |              |                              |          |          |            |                                                           |                                         |                             |                                        |                                     |                                        |
| Grouting Information                                                     |              |                              |          |          |            | Well Grouted?                                             | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> Not Specified |                                     |                                        |
| Material                                                                 |              | Amount                       |          | From     | To         |                                                           |                                         |                             |                                        |                                     |                                        |
| bentonite                                                                |              | 5 Sacks                      |          |          | ft. 51 ft. |                                                           |                                         |                             |                                        |                                     |                                        |
| Nearest Known Source of Contamination                                    |              |                              |          |          |            | 60 feet                                                   |                                         |                             |                                        | South                               | Direction                              |
| Well disinfected upon completion?                                        |              |                              |          |          |            | <input type="checkbox"/> Yes                              | <input type="checkbox"/> No             | Septic tank/drain field     |                                        |                                     | Type                                   |
| Pump                                                                     |              |                              |          |          |            | <input type="checkbox"/> Not Installed                    | Date Installed                          |                             |                                        |                                     |                                        |
| Manufacturer's name                                                      |              |                              |          |          |            |                                                           |                                         |                             |                                        |                                     |                                        |
| Model Number                                                             |              | HP                           |          | 0.75     | Volt       | 220                                                       |                                         |                             |                                        |                                     |                                        |
| Length of drop pipe                                                      |              | 80                           | ft       | Capacity | g.p.       | Typ                                                       | Submersible                             |                             |                                        |                                     |                                        |
| Abandoned                                                                |              |                              |          |          |            | Does property have any not in use and not sealed well(s)? |                                         |                             |                                        | <input type="checkbox"/> Yes        | <input checked="" type="checkbox"/> No |
| Variance                                                                 |              |                              |          |          |            | Was a variance granted from the MDH for this well?        |                                         |                             |                                        | <input type="checkbox"/> Yes        | <input checked="" type="checkbox"/> No |
| Miscellaneous                                                            |              |                              |          |          |            | First Bedrock                                             |                                         |                             |                                        | Aquifer                             |                                        |
| Last Strat                                                               |              |                              |          |          |            | Depth to Bedrock                                          |                                         |                             |                                        |                                     | ft                                     |
| Located by                                                               |              |                              |          |          |            |                                                           |                                         |                             |                                        |                                     |                                        |
| Locate Method                                                            |              |                              |          |          |            |                                                           |                                         |                             |                                        |                                     |                                        |
| System                                                                   |              | UTM - NAD83, Zone 15, Meters |          | X        | Y          |                                                           |                                         |                             |                                        |                                     |                                        |
| Unique Number Verification                                               |              |                              |          |          |            | Input Date                                                |                                         |                             |                                        |                                     |                                        |
| Angled Drill Hole                                                        |              |                              |          |          |            |                                                           |                                         |                             |                                        |                                     |                                        |
| Well Contractor                                                          |              |                              |          |          |            | Zuercher Well Drilling, Inc.                              |                                         |                             |                                        | 1670                                | AZIII                                  |
| Licensee Business                                                        |              |                              |          |          |            | Lic. or Reg. No.                                          |                                         |                             |                                        | Name of Driller                     |                                        |

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