

550743

County Houston  
Quad Caledonia  
Quad ID 2B

MINNESOTA DEPARTMENT OF HEALTH  
WELL AND BORING REPORT  
Minnesota Statutes Chapter 1031

Entry Date04/23/1996  
Update Date08/18/2014  
Received Date

|                                                                          |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
|--------------------------------------------------------------------------|---------------------------------------------|------------|----------|---------------|----------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| Well Name<br>CARPENTER,                                                  | Township<br>103                             | Range<br>5 | Dir<br>W | Section<br>26 | Subsection<br>DDDBBD | Well Depth<br>104 ft.                                                                                                    | Depth Completed<br>104 ft. | Date Well Completed<br>09/30/1995 |
| Elevation<br>828 ft.                                                     | Elev. Method<br>CALC FROM 2-FOOT COUNTY DEM |            |          |               |                      | Drill Method<br>Cable Tool                                                                                               | Drill Fluid                |                                   |
| Address<br>Well 10989 LOFTUS RD CALEDONIA MN 55921                       |                                             |            |          |               |                      | Use<br>domestic                                                                                                          | Status<br>Active           |                                   |
|                                                                          |                                             |            |          |               |                      | Well Hydrofractured?<br>Yes <input type="checkbox"/> No <input type="checkbox"/>                                         | From                       | To                                |
| Stratigraphy Information                                                 |                                             |            |          |               |                      | Casing Type<br>Single casing                                                                                             | Joint<br>Welded            |                                   |
|                                                                          |                                             |            |          |               |                      | Drive Shoe?<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                       | Above/Below                |                                   |
| Geological Material                                                      |                                             |            |          |               |                      | Casing Diameter                                                                                                          | Weight                     | Hole Diameter                     |
| DIRT CLAY BOULDERS                                                       |                                             |            |          |               |                      | 4 in. To                                                                                                                 | 70 ft. 10.79 lbs./ft.      | 8 in. To 70 ft.                   |
| SHALE                                                                    |                                             |            |          |               |                      |                                                                                                                          |                            | 4 in. To 104 ft.                  |
|                                                                          |                                             |            |          |               |                      | Open Hole                                                                                                                | From 70 ft.                | To 104 ft.                        |
|                                                                          |                                             |            |          |               |                      | Screen? <input type="checkbox"/>                                                                                         | Type                       | Make                              |
|                                                                          |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| Static Water Level                                                       |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| 21 ft. land surface                                                      |                                             |            |          |               |                      | Measure                                                                                                                  | 09/30/1995                 |                                   |
| Pumping Level (below land surface)                                       |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| 24 ft. 12 hrs. Pumping at                                                |                                             |            |          |               |                      | 15                                                                                                                       | g.p.m.                     |                                   |
| Wellhead Completion                                                      |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| Pitless adapter manufacturer                                             |                                             |            |          |               |                      | MAASS                                                                                                                    | Model                      |                                   |
| <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                                |
| neat cement                                                              |                                             |            |          |               |                      | 1.5 Cubic yards                                                                                                          | 6 ft.                      | 70 ft.                            |
| Nearest Known Source of Contamination                                    |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| 60 feet West Direction                                                   |                                             |            |          |               |                      | Septic tank/drain field                                                                                                  | Type                       |                                   |
| Well disinfected upon completion?                                        |                                             |            |          |               |                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                      |                            |                                   |
| Pump <input checked="" type="checkbox"/> Not Installed                   |                                             |            |          |               |                      | Date Installed                                                                                                           |                            |                                   |
| Manufacturer's name                                                      |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| Model Number                                                             |                                             |            |          |               |                      | HP                                                                                                                       | Volt                       |                                   |
| Length of drop pipe                                                      |                                             |            |          |               |                      | ft                                                                                                                       | Capacity                   | g.p. Typ                          |
| 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 type="checkbox"/> No                                                                 |                            |                                   |
| Miscellaneous                                                            |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| First Bedrock                                                            |                                             |            |          |               |                      | Tunnel City/Lone Rock Fm                                                                                                 | Aquifer                    | Tunnel City/Lone                  |
| Last Strat                                                               |                                             |            |          |               |                      | Tunnel City/Lone Rock Fm                                                                                                 | Depth to Bedrock           | 17 ft                             |
| Located by                                                               |                                             |            |          |               |                      | Minnesota Geological Survey                                                                                              |                            |                                   |
| Locate Method                                                            |                                             |            |          |               |                      | Digitization (Screen) - Map (1:24,000) (15 meters or                                                                     |                            |                                   |
| System                                                                   |                                             |            |          |               |                      | UTM - NAD83, Zone 15, Meters                                                                                             | X 629397                   | Y 4838689                         |
| Unique Number Verification                                               |                                             |            |          |               |                      | Address verification                                                                                                     | Input Date                 | 06/27/2000                        |
| Angled Drill Hole                                                        |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| Well Contractor                                                          |                                             |            |          |               |                      |                                                                                                                          |                            |                                   |
| Frauenkron Well Co.                                                      |                                             |            |          |               |                      | 28151                                                                                                                    | FRAUENKRON, D              |                                   |
| Licensee Business                                                        |                                             |            |          |               |                      | Lic. or Reg. No.                                                                                                         | Name of Driller            |                                   |