

836891

County Hubbard  
Quad Park Rapids  
Quad ID 256A

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

Entry Date 06/03/2021  
Update Date 08/04/2021  
Received Date 01/27/2021

|                                                                          |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
|--------------------------------------------------------------------------|---------------------------------------------|------------------------------|-----------------|---------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>Well Name</b><br>KOENEN                                               | <b>Township</b><br>140                      | <b>Range</b><br>35           | <b>Dir</b><br>W | <b>Section</b><br>9 | <b>Subsection</b><br>BBBDDC | <b>Well Depth</b><br>153 ft.                                                                                                    | <b>Depth Completed</b><br>153 ft. | <b>Date Well Completed</b><br>01/15/2021 |
| <b>Elevation</b><br>1450                                                 | <b>Elev. Method</b><br>LiDAR 1m DEM (MNDNR) |                              |                 |                     |                             | <b>Drill Method</b><br>Non-specified Rotary                                                                                     | <b>Drill Fluid</b><br>Bentonite   |                                          |
| <b>Address</b>                                                           |                                             |                              |                 |                     |                             | <b>Use</b><br>domestic                                                                                                          | <b>Status</b><br>Active           |                                          |
| Well 12036 FISHERMAUS DR PARK RAPIDS MN 56470                            |                                             |                              |                 |                     |                             | <b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>From</b> <b>To</b>           |                                   |                                          |
| Contact 1410 WILSON CT SOUTH ST PAUL MN 55075                            |                                             |                              |                 |                     |                             | <b>Casing Type</b> Single casing <b>Joint</b> Welded                                                                            |                                   |                                          |
| <b>Stratigraphy Information</b>                                          |                                             |                              |                 |                     |                             | <b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>                       |                                   |                                          |
| <b>Geological Material</b>                                               |                                             | <b>From</b>                  | <b>To (ft.)</b> | <b>Color</b>        | <b>Hardness</b>             | <b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>                                                                       |                                   |                                          |
| TOP SOIL                                                                 |                                             | 0                            | 1               | BLACK               | SOFT                        | 4 in. To 149 ft. lbs./ft. 7.8 in. To 19 ft.                                                                                     |                                   |                                          |
| SAND/GRAVEL                                                              |                                             | 1                            | 13              | BROWN               | SOFT                        | 6.7 in. To 153 ft.                                                                                                              |                                   |                                          |
| SAND                                                                     |                                             | 13                           | 46              | BROWN               | HARD                        |                                                                                                                                 |                                   |                                          |
| CLAY                                                                     |                                             | 46                           | 117             | GRAY                | HARD                        |                                                                                                                                 |                                   |                                          |
| SAND                                                                     |                                             | 117                          | 121             | GRAY                | SOFT                        |                                                                                                                                 |                                   |                                          |
| CLAY                                                                     |                                             | 121                          | 134             | GRAY                | HARD                        |                                                                                                                                 |                                   |                                          |
| SAND/H2O                                                                 |                                             | 134                          | 153             | GRAY                | HARD                        |                                                                                                                                 |                                   |                                          |
| <b>Open Hole</b>                                                         |                                             |                              |                 |                     |                             | <b>From</b>                                                                                                                     | <b>ft.</b>                        | <b>To</b> <b>ft.</b>                     |
| <b>Screen?</b> <input checked="" type="checkbox"/>                       |                                             |                              |                 |                     |                             | <b>Type</b> stainless                                                                                                           | <b>Make</b> JOHNSON               |                                          |
| <b>Diameter</b>                                                          |                                             | <b>Slot/Gauze</b>            | <b>Length</b>   | <b>Set</b>          |                             |                                                                                                                                 |                                   |                                          |
| 4 in.                                                                    |                                             | 15                           | 4 ft.           | 149 ft.             | 153 ft.                     |                                                                                                                                 |                                   |                                          |
| <b>Static Water Level</b>                                                |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| 13 ft.                                                                   |                                             | land surface                 |                 | Measure             |                             | 01/27/2021                                                                                                                      |                                   |                                          |
| <b>Pumping Level (below land surface)</b>                                |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| 147 ft.                                                                  |                                             | 2 hrs.                       | Pumping at      |                     | 60 g.p.m.                   |                                                                                                                                 |                                   |                                          |
| <b>Wellhead Completion</b>                                               |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| Pitless adapter manufacturer                                             |                                             |                              |                 |                     |                             | Model                                                                                                                           |                                   |                                          |
| <input type="checkbox"/> Casing Protection                               |                                             |                              |                 |                     |                             | <input checked="" type="checkbox"/> 12 in. above grade                                                                          |                                   |                                          |
| <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY) |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| <b>Grouting Information</b>                                              |                                             |                              |                 |                     |                             | <b>Well Grouted?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified |                                   |                                          |
| <b>Material</b>                                                          |                                             | <b>Amount</b>                |                 | <b>From</b>         | <b>To</b>                   |                                                                                                                                 |                                   |                                          |
| cement-sand                                                              |                                             | 4 Sacks                      |                 | 140 ft.             | 153 ft.                     |                                                                                                                                 |                                   |                                          |
| bentonite                                                                |                                             | 17 Sacks                     |                 | ft.                 | 140 ft.                     |                                                                                                                                 |                                   |                                          |
| <b>Nearest Known Source of Contamination</b>                             |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| <b>Q</b>                                                                 |                                             | <b>feet</b>                  |                 | <b>Direction</b>    |                             | <b>Type</b>                                                                                                                     |                                   |                                          |
| Well disinfected upon completion?                                        |                                             |                              |                 |                     |                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                             |                                   |                                          |
| <b>Pump</b> <input type="checkbox"/> Not Installed                       |                                             |                              |                 |                     |                             | <b>Date Installed</b>                                                                                                           | 06/22/2020                        |                                          |
| Manufacturer's name GRUNDFOS                                             |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| <b>Model Number</b>                                                      |                                             | <b>HP</b>                    | <b>0.5</b>      | <b>Volt</b>         | <b>230</b>                  |                                                                                                                                 |                                   |                                          |
| <b>Length of drop pipe</b>                                               |                                             | <b>60</b>                    | <b>ft</b>       | <b>Capacity</b>     | <b>10</b>                   | <b>g.p.</b>                                                                                                                     | <b>Typ</b>                        | <b>Submersible</b>                       |
| <b>Abandoned</b>                                                         |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| Does property have any not in use and not sealed well(s)?                |                                             |                              |                 |                     |                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                             |                                   |                                          |
| <b>Variance</b>                                                          |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| Was a variance granted from the MDH for this well?                       |                                             |                              |                 |                     |                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                             |                                   |                                          |
| <b>Miscellaneous</b>                                                     |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| <b>First Bedrock</b>                                                     |                                             |                              |                 |                     |                             | <b>Aquifer</b>                                                                                                                  |                                   |                                          |
| <b>Last Strat</b>                                                        |                                             |                              |                 |                     |                             | <b>Depth to Bedrock</b> <b>ft</b>                                                                                               |                                   |                                          |
| <b>Located by</b> Minnesota Department of Health                         |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| <b>Locate Method</b> GPS SA Off (averaged) (15 meters)                   |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| <b>System</b>                                                            |                                             | UTM - NAD83, Zone 15, Meters |                 | <b>X</b>            | 338678                      | <b>Y</b>                                                                                                                        | 5203226                           |                                          |
| <b>Unique Number Verification</b>                                        |                                             | Info/GPS from data           |                 | <b>Input Date</b>   | 08/29/2019                  |                                                                                                                                 |                                   |                                          |
| <b>Angled Drill Hole</b>                                                 |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| <b>Well Contractor</b>                                                   |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| Ehresmann Water Wells And                                                |                                             |                              |                 |                     |                             | 1450                                                                                                                            | EHRESMANN, D.                     |                                          |
| Licensee Business                                                        |                                             |                              |                 |                     |                             | Lic. or Reg. No.                                                                                                                | Name of Driller                   |                                          |
| <b>Remarks</b>                                                           |                                             |                              |                 |                     |                             |                                                                                                                                 |                                   |                                          |
| Minnesota Well Index Report                                              |                                             |                              |                 |                     |                             | 836891                                                                                                                          |                                   | Printed on 10/02/2026<br>HE-01205-15     |