

199795

County

Lac Qui

Quad

Dawson

Quad ID

115B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

04/11/1988

Update Date

02/07/2018

Received Date

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------|--------------------------------|----------|---------|---|---|-------|------|------|---|----|-------|------|------|----|-----|------|------|------|-----|-----|------|------|--------------------------------------------------------------------------------------------|--|--|
| <div>Well Name</div> <div>KATZENMEYER, 118</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <div>Township</div> <div>118</div>                                         | <div>Range</div> <div>44</div>     | <div>Dir</div> <div>W</div>       | <div>Section</div> <div>28</div>   | <div>Subsection</div> <div>CDCBDC</div> | <div>Well Depth</div> <div>145 ft.</div>                                         | <div>Depth Completed</div> <div>145 ft.</div> | <div>Date Well Completed</div> <div>12/12/1984</div> |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Elevation</div> <div>1081</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <div>Elev. Method</div> <div>7.5 minute topographic map (+/- 5 feet)</div> |                                    |                                   |                                    |                                         | <div>Drill Method</div> <div>Non-specified Rotary</div>                          | <div>Drill Fluid</div>                        |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Address</div> <div>C/W</div> <div>MADISON MN 56256</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                            |                                    |                                   |                                    |                                         | <div>Use</div> <div>domestic</div>                                               | <div>Status</div> <div>Active</div>           |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Stratigraphy Information</div> <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOPSOIL</td><td>0</td><td>2</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>2</td><td>30</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>30</td><td>134</td><td>GRAY</td><td>HARD</td></tr><tr><td>SAND</td><td>134</td><td>145</td><td>GRAY</td><td>SOFT</td></tr></table>                                                                                                          |                                                                            |                                    |                                   |                                    |                                         | Geological Material                                                              | From                                          | To (ft.)                                             | Color                          | Hardness | TOPSOIL | 0 | 2 | BLACK | SOFT | CLAY | 2 | 30 | BROWN | SOFT | CLAY | 30 | 134 | GRAY | HARD | SAND | 134 | 145 | GRAY | SOFT | <div>Well Hydrofractured?</div> <div>Yes</div> <div>No</div> <div>From</div> <div>To</div> |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | Geological Material                                                              | From                                          | To (ft.)                                             | Color                          | Hardness |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | TOPSOIL                                                                          | 0                                             | 2                                                    | BLACK                          | SOFT     |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | CLAY                                                                             | 2                                             | 30                                                   | BROWN                          | SOFT     |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | CLAY                                                                             | 30                                            | 134                                                  | GRAY                           | HARD     |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | SAND                                                                             | 134                                           | 145                                                  | GRAY                           | SOFT     |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | <div>Casing Type</div> <div>Single casing</div>                                  | <div>Joint</div>                              |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | <div>Drive Shoe?</div> <div>Yes</div> <div>No</div>                              | <div>Above/Below</div> <div>1 ft.</div>       |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | <div>Casing Diameter</div> <div>4 in.</div>                                      | <div>Weight</div> <div>135 ft.</div>          | <div>Hole Diameter</div> <div>7 in.</div>            | <div></div> <div>145 ft.</div> |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |                                    |                                   |                                    |                                         | <div>Open Hole</div> <div>From</div> <div>ft.</div> <div>To</div> <div>ft.</div> |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Screen?</div> <div>X</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <div>Type</div> <div>Slot/Gauze</div>                                      | <div>Length</div> <div>6 ft.</div> | <div>Set</div> <div>135 ft.</div> | <div>Make</div> <div>JOHNSON</div> | <div></div> <div>141 ft.</div>          |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>4 in.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <div>18</div>                                                              | <div>6 ft.</div>                   | <div>135 ft.</div>                | <div>141 ft.</div>                 | <div>145 ft.</div>                      |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>4 in.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <div>25</div>                                                              | <div>4 ft.</div>                   | <div>141 ft.</div>                | <div>145 ft.</div>                 | <div>145 ft.</div>                      |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Static Water Level</div> <div>23 ft.</div> <div>land surface</div> <div>Measure</div> <div>12/12/1984</div>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Pumping Level (below land surface)</div> <div>80 ft.</div> <div>3 hrs.</div> <div>Pumping at</div> <div>30 g.p.m.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Wellhead Completion</div> <div>Pitless adapter manufacturer</div> <div>MONITOR</div> <div>Model</div> <div>SNAPPY</div> <div>Casing Protection</div> <div>X 12 in. above grade</div> <div>At-grade (Environmental Wells and Borings ONLY)</div>                                                                                                                                                                                                                                                                                                        |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Grouting Information</div> <div>Well Grouted?</div> <div>X Yes</div> <div>No</div> <div>Not Specified</div> <div>Material</div> <div>Amount</div> <div>From</div> <div>To</div> <div>neat cement</div> <div>0</div> <div>10 ft.</div> <div>40 ft.</div>                                                                                                                                                                                                                                                                                                |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Nearest Known Source of Contamination</div> <div>100 feet</div> <div>West Direction</div> <div>Septic tank/drain field</div> <div>Type</div> <div>Well disinfected upon completion?</div> <div>X Yes</div> <div>No</div>                                                                                                                                                                                                                                                                                                                               |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Pump</div> <div>Not Installed</div> <div>Date Installed</div> <div>12/12/1984</div> <div>Manufacturer's name</div> <div>PIONEER</div> <div>Model Number</div> <div>141012C</div> <div>HP</div> <div>0.5</div> <div>Volt</div> <div>230</div> <div>Length of drop pipe</div> <div>50 ft</div> <div>Capacity</div> <div>10 g.p.</div> <div>Typ</div> <div>Submersible</div>                                                                                                                                                                              |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Abandoned</div> <div>Does property have any not in use and not sealed well(s)?</div> <div>Yes</div> <div>No</div>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Variance</div> <div>Was a variance granted from the MDH for this well?</div> <div>Yes</div> <div>No</div>                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Miscellaneous</div> <div>First Bedrock</div> <div>Aquifer</div> <div>Quat. buried</div> <div>Last Strat</div> <div>sand-gray</div> <div>Depth to Bedrock</div> <div>ft</div> <div>Located by</div> <div>Minnesota Geological Survey</div> <div>Locate Method</div> <div>Digitized - scale 1:24,000 or larger (Digitizing Table)</div> <div>System</div> <div>UTM - NAD83, Zone 15, Meters</div> <div>X 249354</div> <div>Y 4987333</div> <div>Unique Number Verification</div> <div>Information from</div> <div>Input Date</div> <div>07/10/1996</div> |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Angled Drill Hole</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |
| <div>Well Contractor</div> <div>Northwest Well &amp; Pump</div> <div>21531</div> <div>HANSEN, M.</div> <div>Licensee Business</div> <div>Lic. or Reg. No.</div> <div>Name of Driller</div>                                                                                                                                                                                                                                                                                                                                                                  |                                                                            |                                    |                                   |                                    |                                         |                                                                                  |                                               |                                                      |                                |          |         |   |   |       |      |      |   |    |       |      |      |    |     |      |      |      |     |     |      |      |                                                                                            |  |  |