

890454

County Itasca  
Quad Pengilly  
Quad ID 295C

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

Entry Date 12/29/2025  
Update Date 12/29/2025  
Received Date 12/04/2025

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|----------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------|----------|---------------|---|----|-------|------|------|----|-----|------|------|---------------|-----|-----|-------|--------|---------------|-----|-----|-------|------|-------|-----|-----|-------|------|----------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Well Name</b><br>J & L LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Township</b><br>56                       | <b>Range</b><br>23                          | <b>Dir Section</b><br>W 13 | <b>Subsection</b><br>DACCAD | <b>Well Depth</b><br>230 ft.                                                                                            | <b>Depth Completed</b><br>230 ft. | <b>Date Well Completed</b><br>10/08/2025 |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Elevation</b><br>1365                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <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><br><br>Well 31277 65 SH PENGILLY MN 55775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |                                             |                            |                             | <b>Use</b><br>domestic                                                                                                  | <b>Status</b><br>Active           |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Stratigraphy Information</b> <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SAND &amp; GRAVEL</td><td>0</td><td>33</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>33</td><td>125</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY &amp; GRAVEL</td><td>125</td><td>145</td><td>BLACK</td><td>MEDIUM</td></tr><tr><td>SHALE &amp; SLATE</td><td>145</td><td>180</td><td>BLACK</td><td>HARD</td></tr><tr><td>SLATE</td><td>180</td><td>230</td><td>BLACK</td><td>HARD</td></tr></table> |                                             |                                             |                            |                             | Geological Material                                                                                                     | From                              | To (ft.)                                 | Color | Hardness | SAND & GRAVEL | 0 | 33 | BROWN | SOFT | CLAY | 33 | 125 | GRAY | SOFT | CLAY & GRAVEL | 125 | 145 | BLACK | MEDIUM | SHALE & SLATE | 145 | 180 | BLACK | HARD | SLATE | 180 | 230 | BLACK | HARD | <b>Well Hydrofractured?</b><br><b>Yes</b> <input type="checkbox"/> <b>No</b> <input checked="" type="checkbox"/> <b>From</b> <b>To</b> |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | Geological Material                                                                                                     | From                              | To (ft.)                                 | Color | Hardness |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | SAND & GRAVEL                                                                                                           | 0                                 | 33                                       | BROWN | SOFT     |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | CLAY                                                                                                                    | 33                                | 125                                      | GRAY  | SOFT     |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | CLAY & GRAVEL                                                                                                           | 125                               | 145                                      | BLACK | MEDIUM   |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | SHALE & SLATE                                                                                                           | 145                               | 180                                      | BLACK | HARD     |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | SLATE                                                                                                                   | 180                               | 230                                      | BLACK | HARD     |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | <b>Casing Type</b><br>Step down <b>Joint</b>                                                                            |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | <b>Drive Shoe?</b> <b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Above/Below</b> |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             | <b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>                                                               |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| 4 in. To 156 ft. lbs./ft. 13 in. To 56 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| 8 in. To 56 ft. lbs./ft. 8 in. To 156 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Open Hole</b> <b>From</b> 156 <b>ft.</b> <b>To</b> 230 <b>ft.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Screen?</b> <input type="checkbox"/> <b>Type</b> <b>Make</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Static Water Level</b><br>17 ft. land surface Measure 10/09/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Pumping Level (below land surface)</b><br>ft. 3.5 hrs. Pumping at 5 g.p.m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Wellhead Completion</b><br>Pitless adapter manufacturer BAKER Model 6PS45BNS4C<br><input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade<br><input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)                                                                                                                                                                                                                                                                                                             |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified<br>Material Amount From To<br>neat cement 28 Sacks 10 ft. 156 ft.<br>neat cement 32 Sacks 10 ft. 56 ft.                                                                                                                                                                                                                                                                                                        |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Nearest Known Source of Contamination</b><br>feet Direction Type<br>Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Pump</b> <input type="checkbox"/> Not Installed Date Installed 10/28/2025<br>Manufacturer's name GRUNDFOS<br>Model Number 10505 HP 0.5 Volt 115<br>Length of drop pipe 126 ft Capacity 10 g.p. Typ                                                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Abandoned</b><br>Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Variance</b><br>Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Miscellaneous</b><br>First Bedrock Aquifer<br>Last Strat Depth to Bedrock 145 ft<br>Located by Minnesota Geological Survey<br>Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or<br>System UTM - NAD83, Zone 15, Meters X 485068 Y 5241885<br>Unique Number Verification Site Plan Input Date 12/29/2025                                                                                                                                                                                                                                         |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |
| <b>Well Contractor</b><br>Stevens Drilling and 2255 JOHNSON, R.<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                             |                                                                                                                         |                                   |                                          |       |          |               |   |    |       |      |      |    |     |      |      |               |     |     |       |        |               |     |     |       |      |       |     |     |       |      |                                                                                                                                        |  |  |