

881677

County Hubbard  
Quad Bemidji  
Quad ID 302B

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

Entry Date  
Update Date 06/25/2024  
Received Date 01/10/2024

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             |                                                                                                                                                                                                                                                                                                                  |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------|-----------------|---------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------|----------|------|---|----|-------|--------|------|----|----|-------|--------|------|----|----|-------|--------|-------------|----|----|-------|--------|------|----|-----|---------|--------|--------------------------------------------------|--|--|
| <b>Well Name</b><br>HULSEBUS,                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Township</b><br>145                                       | <b>Range</b><br>34 | <b>Dir</b><br>W | <b>Section</b><br>1 | <b>Subsection</b><br>BCCCBA | <b>Well Depth</b><br>101 ft.                                                                                                                                                                                                                                                                                     | <b>Depth Completed</b><br>101 ft. | <b>Date Well Completed</b><br>12/06/2023 |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| <b>Elevation</b><br>1399                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Elev. Method</b><br>Calc from NED (Natl.Elev.Dataset-30m) |                    |                 |                     |                             | <b>Drill Method</b><br>Non-specified Rotary                                                                                                                                                                                                                                                                      | <b>Drill Fluid</b><br>Bentonite   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| <b>Address</b><br><br>Well 51436 29 CO BEMIDJI MN 56601<br>Contact 51143 WEST MARYBERRY DR CASS LAKE MN 56633                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                    |                 |                     |                             | <b>Use</b><br>domestic                                                                                                                                                                                                                                                                                           | <b>Status</b><br>Active           |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| <b>Stratigraphy Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Well Hydrofractured?</b><br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>From</b> <b>To</b>                                                                                                                                                                                         |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SAND</td><td>0</td><td>18</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>18</td><td>26</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>26</td><td>50</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND (FINE)</td><td>50</td><td>90</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>90</td><td>101</td><td>LT. GRY</td><td>MEDIUM</td></tr></table> |                                                              |                    |                 |                     |                             | Geological Material                                                                                                                                                                                                                                                                                              | From                              | To (ft.)                                 | Color | Hardness | SAND | 0 | 18 | BROWN | MEDIUM | CLAY | 18 | 26 | BROWN | MEDIUM | SAND | 26 | 50 | BROWN | MEDIUM | SAND (FINE) | 50 | 90 | BROWN | MEDIUM | SAND | 90 | 101 | LT. GRY | MEDIUM | <b>Casing Type</b><br>Single casing <b>Joint</b> |  |  |
| Geological Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | From                                                         | To (ft.)           | Color           | Hardness            |                             |                                                                                                                                                                                                                                                                                                                  |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| SAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                            | 18                 | BROWN           | MEDIUM              |                             |                                                                                                                                                                                                                                                                                                                  |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| CLAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 18                                                           | 26                 | BROWN           | MEDIUM              |                             |                                                                                                                                                                                                                                                                                                                  |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| SAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 26                                                           | 50                 | BROWN           | MEDIUM              |                             |                                                                                                                                                                                                                                                                                                                  |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| SAND (FINE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50                                                           | 90                 | BROWN           | MEDIUM              |                             |                                                                                                                                                                                                                                                                                                                  |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
| SAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 90                                                           | 101                | LT. GRY         | MEDIUM              |                             |                                                                                                                                                                                                                                                                                                                  |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Drive Shoe?</b><br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Above/Below</b>                                                                                                                                                                                                     |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Casing Diameter</b><br>4 in. To 96 ft. lbs./ft. <b>Hole Diameter</b><br>6.7 in. To 101 ft.                                                                                                                                                                                                                    |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Open Hole</b><br>From ft. To ft.                                                                                                                                                                                                                                                                              |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b><br>Diameter Slot/Gauze Length Set<br>4 in. 15 5 ft. 96 ft. 101 ft.                                                                                                                                                            |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Static Water Level</b><br>50 ft. land surface Measure 12/06/2023                                                                                                                                                                                                                                              |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Pumping Level (below land surface)</b><br>ft. hrs. Pumping at 75 g.p.m.                                                                                                                                                                                                                                       |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Wellhead Completion</b><br>Pitless adapter manufacturer AQUA SEAL Model 4X1<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>other 94 ft. 101 ft.<br>well grouted, type unknown ft. 94 ft.                                                                 |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Nearest Known Source of Contamination</b><br>66 feet South Direction Other Type<br>Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                      |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Pump</b> <input type="checkbox"/> Not Installed Date Installed<br>Manufacturer's name GRUNDFOS<br>Model Number HP 0.75 Volt 230<br>Length of drop pipe ft Capacity 10 g.p. Typ Submersible                                                                                                                    |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <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 ft<br>Located by Minnesota Department of Health<br>Locate Method GPS SA Off (averaged) (15 meters)<br>System UTM - NAD83, Zone 15, Meters X 353024 Y 5252009<br>Unique Number Verification Info/GPS from data Input Date 06/24/2024 |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                         |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                    |                 |                     |                             | <b>Well Contractor</b><br>Reed and Reed Water Well 1854 REED, GREG<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                         |                                   |                                          |       |          |      |   |    |       |        |      |    |    |       |        |      |    |    |       |        |             |    |    |       |        |      |    |     |         |        |                                                  |  |  |