

763816

County Red Lake  
Quad Oklee SW  
Quad ID 363C

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date01/05/2009

Update Date01/21/2022

Received Date12/15/2008

|                                                  |                         |                                 |                            |                              |                                                                                                                                          |                                              |                                                   |                                                        |                            |
|--------------------------------------------------|-------------------------|---------------------------------|----------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|--------------------------------------------------------|----------------------------|
| <div>Well Name</div> BACHAND,                    | <div>Township</div> 150 | <div>Range</div> 41             | <div>Dir Section</div> W 5 | <div>Subsection</div> BDCACA | <div>Well Depth</div> 134 ft.                                                                                                            | <div>Depth Completed</div> 134 ft.           | <div>Date Well Completed</div> 09/02/2008         |                                                        |                            |
| <div>Elevation</div> 1139                        | <div>Elev. Method</div> | <div>LiDAR 1m DEM (MNDNR)</div> |                            |                              |                                                                                                                                          | <div>Drill Method</div> Non-specified Rotary | <div>Drill Fluid</div> Qwik gel                   |                                                        |                            |
| <div>Address</div>                               |                         |                                 |                            |                              | <div>Use</div> domestic                                                                                                                  | <div>Status</div> Active                     |                                                   |                                                        |                            |
| <div>C/W</div> 22460 252ND AV SE BROOKS MN 56715 |                         |                                 |                            |                              | <div>Well Hydrofractured?</div>                                                                                                          | <div>Yes</div> <input type="checkbox"/>      | <div>No</div> <input checked="" type="checkbox"/> | <div>From</div>                                        | <div>To</div>              |
| <div>Stratigraphy Information</div>              |                         |                                 |                            |                              | <div>Casing Type</div> Single casing                                                                                                     | <div>Joint</div>                             |                                                   |                                                        |                            |
| <div>Geological Material</div>                   |                         |                                 |                            |                              | <div>Drive Shoe?</div>                                                                                                                   | <div>Yes</div> <input type="checkbox"/>      | <div>No</div> <input checked="" type="checkbox"/> | <div>Above/Below</div>                                 |                            |
| <div>TOP SOIL</div>                              |                         |                                 |                            |                              | <div>Casing Diameter</div>                                                                                                               | <div>Weight</div>                            |                                                   | <div>Hole Diameter</div>                               |                            |
| <div>CLAY</div>                                  |                         |                                 |                            |                              | 4 in. To                                                                                                                                 | 126 ft.                                      | lbs./ft.                                          | 9 in. To                                               | 50 ft.                     |
| <div>CLAY</div>                                  |                         |                                 |                            |                              |                                                                                                                                          |                                              |                                                   | 6.7 in. To                                             | 134 ft.                    |
| <div>CLAY</div>                                  |                         |                                 |                            |                              |                                                                                                                                          |                                              |                                                   |                                                        |                            |
| <div>SANDY CLAY</div>                            |                         |                                 |                            |                              |                                                                                                                                          |                                              |                                                   |                                                        |                            |
| <div>CLAY</div>                                  |                         |                                 |                            |                              |                                                                                                                                          |                                              |                                                   |                                                        |                            |
| <div>GRAVEL</div>                                |                         |                                 |                            |                              |                                                                                                                                          |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Open Hole</div>                                                                                                                     | <div>From</div>                              | <div>ft.</div>                                    | <div>To</div>                                          | <div>ft.</div>             |
|                                                  |                         |                                 |                            |                              | <div>Screen?</div> <input checked="" type="checkbox"/>                                                                                   | <div>Type</div> stainless                    |                                                   | <div>Make</div> JOHNSON                                |                            |
|                                                  |                         |                                 |                            |                              | <div>Diameter</div>                                                                                                                      | <div>Slot/Gauze</div>                        | <div>Length</div>                                 | <div>Set</div>                                         |                            |
|                                                  |                         |                                 |                            |                              | 2 in.                                                                                                                                    | 18                                           | 8 ft.                                             | 126 ft.                                                | 134 ft.                    |
|                                                  |                         |                                 |                            |                              | <div>Static Water Level</div>                                                                                                            |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | 7 ft.                                                                                                                                    | land surface                                 |                                                   | Measure                                                | 09/02/2008                 |
|                                                  |                         |                                 |                            |                              | <div>Pumping Level (below land surface)</div>                                                                                            |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | 134 ft.                                                                                                                                  | 2 hrs.                                       | Pumping at                                        | 30                                                     | g.p.m.                     |
|                                                  |                         |                                 |                            |                              | <div>Wellhead Completion</div>                                                                                                           |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Pitless adapter manufacturer</div> BAKER                                                                                            |                                              | <div>Model</div> 4AO                              |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <input type="checkbox"/>                                                                                                                 | <div>Casing Protection</div>                 |                                                   | <input checked="" type="checkbox"/> 12 in. above grade |                            |
|                                                  |                         |                                 |                            |                              | <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)                                                                 |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Grouting Information</div>                                                                                                          |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Well Grouted?</div> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified      |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Material</div>                                                                                                                      | <div>Amount</div>                            |                                                   | <div>From</div>                                        | <div>To</div>              |
|                                                  |                         |                                 |                            |                              | bentonite                                                                                                                                | 3                                            | Sacks                                             | 8 ft.                                                  | 50 ft.                     |
|                                                  |                         |                                 |                            |                              | <div>Nearest Known Source of Contamination</div>                                                                                         |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | 50 feet                                                                                                                                  | <div>North</div> Direction                   |                                                   | <div>Body of water</div> Type                          |                            |
|                                                  |                         |                                 |                            |                              | <div>Well disinfected upon completion?</div> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                         |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Pump</div> <input type="checkbox"/>                                                                                                 | <div>Not Installed</div>                     |                                                   | <div>Date Installed</div>                              | 09/05/2008                 |
|                                                  |                         |                                 |                            |                              | <div>Manufacturer's name</div> AERMOTOR                                                                                                  |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Model Number</div>                                                                                                                  | <div>T-12-50</div>                           | <div>HP</div> 0.5                                 | <div>Volt</div>                                        | 230                        |
|                                                  |                         |                                 |                            |                              | <div>Length of drop pipe</div>                                                                                                           | 60 ft                                        | <div>Capacity</div>                               | 12 g.p.                                                | <div>Typ</div> Submersible |
|                                                  |                         |                                 |                            |                              | <div>Abandoned</div>                                                                                                                     |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Does property have any not in use and not sealed well(s)?</div> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Variance</div>                                                                                                                      |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Was a variance granted from the MDH for this well?</div> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No        |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Miscellaneous</div>                                                                                                                 |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>First Bedrock</div>                                                                                                                 | <div>Aquifer</div>                           |                                                   | <div>Quat. buried</div>                                |                            |
|                                                  |                         |                                 |                            |                              | <div>Last Strat</div>                                                                                                                    | gravel (+larger)-gray                        |                                                   | <div>Depth to Bedrock</div>                            | ft                         |
|                                                  |                         |                                 |                            |                              | <div>Located by</div> Minnesota Department of Health                                                                                     |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Locate Method</div> Digitization (Screen) - Map (1:24,000) (15 meters or                                                            |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>System</div>                                                                                                                        | UTM - NAD83, Zone 15, Meters                 |                                                   | <div>X</div> 280179                                    | <div>Y</div> 5302914       |
|                                                  |                         |                                 |                            |                              | <div>Unique Number Verification</div>                                                                                                    |                                              | <div>Info/GPS from data</div>                     | <div>Input Date</div>                                  | 11/19/2008                 |
|                                                  |                         |                                 |                            |                              | <div>Angled Drill Hole</div>                                                                                                             |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Well Contractor</div>                                                                                                               |                                              |                                                   |                                                        |                            |
|                                                  |                         |                                 |                            |                              | <div>Brovold Wells</div>                                                                                                                 |                                              | 2149                                              | <div>BECKSTROM, G.</div>                               |                            |
|                                                  |                         |                                 |                            |                              | <div>Licensee Business</div>                                                                                                             |                                              | <div>Lic. or Reg. No.</div>                       | <div>Name of Driller</div>                             |                            |