

579443

County Becker  
Quad Lake Park  
Quad ID 260C

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

Entry Date 05/07/1998  
Update Date 06/11/2014  
Received Date

|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            |                                                                                                                                                                                                                                                                          |                                   |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|----------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|
| <b>Well Name</b><br>OLSON,                                                                                                                                                                                                                                                                                                    | <b>Township</b><br>139                      | <b>Range</b><br>43                          | <b>Dir Section</b><br>W 29 | <b>Subsection</b><br>CCDCD | <b>Well Depth</b><br>208 ft.                                                                                                                                                                                                                                             | <b>Depth Completed</b><br>208 ft. | <b>Date Well Completed</b><br>12/24/1996 |
| <b>Elevation</b><br>1385                                                                                                                                                                                                                                                                                                      | <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 17045 ALPINE LA LAKE PARK MN                                                                                                                                                                                                                                                                       |                                             |                                             |                            |                            | <b>Use</b><br>domestic                                                                                                                                                                                                                                                   | <b>Status</b><br>Active           |                                          |
| <b>Stratigraphy Information</b><br>Geological Material From To (ft.) Color Hardness<br>TOPSOIL 0 1 BLACK SOFT<br>CLAY 1 35 BROWN HARD<br>CLAY 35 170 GRAY HARD<br>CLAY 170 203 GRAY SOFT<br>SAND 203 208 GRAY SOFT                                                                                                            |                                             |                                             |                            |                            | <b>Well Hydrofractured?</b><br><b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>From</b> <b>To</b>                                                                                                                                              |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Casing Type</b><br>Single casing <b>Joint</b> Glued                                                                                                                                                                                                                   |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Drive Shoe?</b> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input checked="" type="checkbox"/> <b>Above/Below</b>                                                                                                                                                  |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b><br>5 in. To 203 ft. lbs./ft. 8 in. To 208 ft.                                                                                                                                                                  |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Open Hole</b> From ft. To ft.                                                                                                                                                                                                                                         |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> JOHNSON<br>Diameter Slot/Gauze Length Set<br>5 in. 5 ft. 203 ft. 208 ft.                                                                                                            |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Static Water Level</b><br>80 ft. land surface Measure 12/24/1996                                                                                                                                                                                                      |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Pumping Level (below land surface)</b>                                                                                                                                                                                                                                |                                   |                                          |
|                                                                                                                                                                                                                                                                                                                               |                                             |                                             |                            |                            | <b>Wellhead Completion</b><br>Pitless adapter manufacturer MONITOR Model 5X6<br><input checked="" type="checkbox"/> Casing Protection <input checked="" 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>bentonite 8 Sacks 0 ft. 150 ft.                                                       |                                   |                                          |
| <b>Nearest Known Source of Contamination</b><br><u>60</u> feet <u>Southwes</u> Direction <u>Other</u> 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 <u>12/25/1996</u><br>Manufacturer's name GOULDS<br>Model Number <u>10EJ10</u> HP <u>1</u> Volt <u>220</u><br>Length of drop pipe <u>120</u> ft Capacity <u>10</u> g.p. Typ <u>Submersible</u>                                                               |                                             |                                             |                            |                            |                                                                                                                                                                                                                                                                          |                                   |                                          |
| <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 Quat. buried<br>Last Strat sand-gray Depth to Bedrock ft<br>Located by Minnesota Geological Survey<br>Locate Method GPS SA Off (averaged) (15 meters)<br>System UTM - NAD83, Zone 15, Meters X 259428 Y 5189945<br>Unique Number Verification Tax Records Input Date 05/06/2014 |                                             |                                             |                            |                            |                                                                                                                                                                                                                                                                          |                                   |                                          |
| <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                      |                                             |                                             |                            |                            |                                                                                                                                                                                                                                                                          |                                   |                                          |
| <b>Well Contractor</b><br>Olson Well Drilling 14229 OLSON, P.<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                                           |                                             |                                             |                            |                            |                                                                                                                                                                                                                                                                          |                                   |                                          |

Remarks