

622783

County Mille Lacs  
Quad Milaca  
Quad ID 173C

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

Entry Date07/21/2000  
Update Date11/13/2020  
Received Date

|                                                                                                                                                                                                                                                                                                                 |  |      |          |       |                                             |                    |                        |                                          |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|----------|-------|---------------------------------------------|--------------------|------------------------|------------------------------------------|-----------------------------|
| <b>Well Name</b><br>OLEEN, STUART                                                                                                                                                                                                                                                                               |  |      |          |       | <b>Township</b><br>38                       | <b>Range</b><br>27 | <b>Dir</b><br>W        | <b>Section</b><br>4                      | <b>Subsection</b><br>BDDCDD |
| <b>Elevation</b><br>1166                                                                                                                                                                                                                                                                                        |  |      |          |       | <b>Elev. Method</b><br>LiDAR 1m DEM (MNDNR) |                    |                        |                                          |                             |
| <b>Address</b><br>C/W 18513 145TH AV MILACA MN 56353                                                                                                                                                                                                                                                            |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Stratigraphy Information</b>                                                                                                                                                                                                                                                                                 |  |      |          |       |                                             |                    |                        |                                          |                             |
| Geological Material                                                                                                                                                                                                                                                                                             |  | From | To (ft.) | Color | Hardness                                    |                    |                        |                                          |                             |
| CLAY & ROCK                                                                                                                                                                                                                                                                                                     |  | 0    | 25       | BROWN |                                             |                    |                        |                                          |                             |
| FINE SAND                                                                                                                                                                                                                                                                                                       |  | 25   | 35       | BROWN |                                             |                    |                        |                                          |                             |
| CLAY                                                                                                                                                                                                                                                                                                            |  | 35   | 62       | BROWN |                                             |                    |                        |                                          |                             |
| SAND                                                                                                                                                                                                                                                                                                            |  | 62   | 73       | BROWN |                                             |                    |                        |                                          |                             |
| MARL                                                                                                                                                                                                                                                                                                            |  | 73   | 75       | WHITE |                                             |                    |                        |                                          |                             |
| <b>Well Depth</b><br>75 ft.                                                                                                                                                                                                                                                                                     |  |      |          |       | <b>Depth Completed</b><br>73 ft.            |                    |                        | <b>Date Well Completed</b><br>11/04/1998 |                             |
| <b>Drill Method</b><br>Non-specified Rotary                                                                                                                                                                                                                                                                     |  |      |          |       | <b>Drill Fluid</b><br>Bentonite             |                    |                        |                                          |                             |
| <b>Use</b><br>domestic                                                                                                                                                                                                                                                                                          |  |      |          |       | <b>Status</b><br>Active                     |                    |                        |                                          |                             |
| <b>Well Hydrofractured?</b><br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                                                                                                                                                                                              |  |      |          |       | <b>From</b><br>To                           |                    |                        |                                          |                             |
| <b>Casing Type</b><br>Single casing                                                                                                                                                                                                                                                                             |  |      |          |       | <b>Joint</b><br>Above/Below                 |                    |                        |                                          |                             |
| <b>Drive Shoe?</b><br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                                                                                                                                                                                                       |  |      |          |       | <b>Drive Shoe?</b><br>Above/Below           |                    |                        |                                          |                             |
| <b>Casing Diameter</b><br>4 in. To 69 ft.                                                                                                                                                                                                                                                                       |  |      |          |       | <b>Weight</b><br>lbs./ft.                   |                    |                        | <b>Hole Diameter</b><br>8 in. To 73 ft.  |                             |
| <b>Open Hole</b><br>From ft. To ft.                                                                                                                                                                                                                                                                             |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Screen?</b> <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                              |  |      |          |       | <b>Type</b> stainless                       |                    |                        |                                          |                             |
| <b>Diameter</b><br>4 in.                                                                                                                                                                                                                                                                                        |  |      |          |       | <b>Slot/Gauze</b><br>15                     |                    | <b>Length</b><br>4 ft. |                                          | <b>Set</b><br>69 ft.        |
| <b>Make</b><br>JOHNSON                                                                                                                                                                                                                                                                                          |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Static Water Level</b><br>14 ft. land surface Measure 11/04/1998                                                                                                                                                                                                                                             |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Pumping Level (below land surface)</b><br>73 ft. 1 hrs. Pumping at 40 g.p.m.                                                                                                                                                                                                                                 |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Wellhead Completion</b><br>Pitless adapter manufacturer MAASS Model 4J1<br><input 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><br>Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified<br>Material Amount From To<br>high solids bentonite 2 Sacks 0 ft. 30 ft.                                                                                |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Nearest Known Source of Contamination</b><br>63 feet North Direction Septic tank/drain field 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 11/13/1998<br>Manufacturer's name AERMOTOR<br>Model Number A12B50 HP 0.5 Volt 230<br>Length of drop pipe 40 ft Capacity 12 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 Geological Survey<br>Locate Method GPS SA Off (averaged) (15 meters)<br>System UTM - NAD83, Zone 15, Meters X 444581 Y 5073746<br>Unique Number Verification Address verification Input Date 11/13/2020 |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                        |  |      |          |       |                                             |                    |                        |                                          |                             |
| <b>Well Contractor</b><br>Traut M.J. Well Co. 71536 PERRY & MIKE<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                          |  |      |          |       |                                             |                    |                        |                                          |                             |