

793761

County Clay  
Quad  
Quad ID

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

Entry Date 04/23/2014  
Update Date 11/21/2014  
Received Date 11/04/2013

|                                                       |                 |             |          |              |                   |                                                                          |                                                        |                                         |
|-------------------------------------------------------|-----------------|-------------|----------|--------------|-------------------|--------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|
| Well Name<br>GRAY, LEE &                              | Township<br>140 | Range<br>49 | Dir<br>W | Section<br>1 | Subsection<br>CAA | Well Depth<br>138 ft.                                                    | Depth Completed<br>138 ft.                             | Date Well Completed<br>09/26/2013       |
| Elevation                                             | Elev. Method    |             |          |              |                   | Drill Method<br>Non-specified Rotary                                     | Drill Fluid<br>Water                                   |                                         |
| Address<br><br>Well 1263 85TH AV NW MOORHEAD MN 56560 |                 |             |          |              |                   | Use<br>domestic                                                          | Status<br>Active                                       |                                         |
| Stratigraphy Information                              |                 |             |          |              |                   | Well Hydrofractured?                                                     | Yes <input type="checkbox"/>                           | No <input type="checkbox"/>             |
|                                                       |                 |             |          |              |                   | Casing Type<br>Single casing                                             | Joint                                                  |                                         |
|                                                       |                 |             |          |              |                   | Drive Shoe?                                                              | Yes <input type="checkbox"/>                           | No <input type="checkbox"/>             |
|                                                       |                 |             |          |              |                   | Above/Below                                                              |                                                        |                                         |
| Geological Material                                   |                 |             |          |              |                   | Casing Diameter                                                          | Weight                                                 |                                         |
| TOP SOIL                                              |                 |             |          |              |                   | 4 in.                                                                    | To                                                     | 128 ft.                                 |
| CLAY                                                  |                 |             |          |              |                   |                                                                          |                                                        | lbs./ft.                                |
| CLAY                                                  |                 |             |          |              |                   |                                                                          |                                                        |                                         |
| TILL                                                  |                 |             |          |              |                   |                                                                          |                                                        |                                         |
| SAND                                                  |                 |             |          |              |                   |                                                                          |                                                        |                                         |
| TILL                                                  |                 |             |          |              |                   |                                                                          |                                                        |                                         |
| SAND                                                  |                 |             |          |              |                   |                                                                          |                                                        |                                         |
| TILL                                                  |                 |             |          |              |                   |                                                                          |                                                        |                                         |
| SAND                                                  |                 |             |          |              |                   |                                                                          |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Open Hole                                                                | From                                                   | ft.                                     |
|                                                       |                 |             |          |              |                   | Screen?                                                                  | <input checked="" type="checkbox"/>                    | Type                                    |
|                                                       |                 |             |          |              |                   | Diameter                                                                 | Slot/Gauze                                             | Length                                  |
|                                                       |                 |             |          |              |                   | 4 in.                                                                    | 20                                                     | 10 ft.                                  |
|                                                       |                 |             |          |              |                   | Static Water Level                                                       |                                                        |                                         |
|                                                       |                 |             |          |              |                   | 42 ft.                                                                   | land surface                                           | Measure                                 |
|                                                       |                 |             |          |              |                   | Pumping Level (below land surface)                                       |                                                        |                                         |
|                                                       |                 |             |          |              |                   | 126 ft.                                                                  | 6 hrs.                                                 | Pumping at                              |
|                                                       |                 |             |          |              |                   | Wellhead Completion                                                      |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Pitless adapter manufacturer                                             | Model                                                  |                                         |
|                                                       |                 |             |          |              |                   | <input type="checkbox"/> Casing Protection                               | <input checked="" type="checkbox"/> 12 in. above grade |                                         |
|                                                       |                 |             |          |              |                   | <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY) |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Grouting Information                                                     | Well Grouted?                                          | <input checked="" type="checkbox"/> Yes |
|                                                       |                 |             |          |              |                   | Material                                                                 | Amount                                                 | From                                    |
|                                                       |                 |             |          |              |                   | bentonite                                                                | 5 Sacks                                                | To                                      |
|                                                       |                 |             |          |              |                   | Nearest Known Source of Contamination                                    |                                                        |                                         |
|                                                       |                 |             |          |              |                   | 68 feet                                                                  | South Direction                                        | Body of water                           |
|                                                       |                 |             |          |              |                   | Well disinfected upon completion?                                        | <input checked="" type="checkbox"/> Yes                | No                                      |
|                                                       |                 |             |          |              |                   | Pump                                                                     | <input checked="" type="checkbox"/> Not Installed      | Date Installed                          |
|                                                       |                 |             |          |              |                   | Manufacturer's name                                                      |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Model Number                                                             | HP                                                     | Volt                                    |
|                                                       |                 |             |          |              |                   | Length of drop pipe                                                      | ft                                                     | Capacity                                |
|                                                       |                 |             |          |              |                   | Abandoned                                                                |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Does property have any not in use and not sealed well(s)?                | <input type="checkbox"/> Yes                           | <input checked="" type="checkbox"/> No  |
|                                                       |                 |             |          |              |                   | Variance                                                                 |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Was a variance granted from the MDH for this well?                       | <input type="checkbox"/> Yes                           | <input checked="" type="checkbox"/> No  |
|                                                       |                 |             |          |              |                   | Miscellaneous                                                            |                                                        |                                         |
|                                                       |                 |             |          |              |                   | First Bedrock                                                            | Aquifer                                                |                                         |
|                                                       |                 |             |          |              |                   | Last Strat                                                               | Depth to Bedrock                                       | ft                                      |
|                                                       |                 |             |          |              |                   | Located by                                                               |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Locate Method                                                            |                                                        |                                         |
|                                                       |                 |             |          |              |                   | System                                                                   | UTM - NAD83, Zone 15, Meters                           | X                                       |
|                                                       |                 |             |          |              |                   | Unique Number Verification                                               |                                                        | Y                                       |
|                                                       |                 |             |          |              |                   | Angled Drill Hole                                                        |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Well Contractor                                                          |                                                        |                                         |
|                                                       |                 |             |          |              |                   | Lako Drilling, Inc.                                                      | 1644                                                   | LAKO, A.                                |
|                                                       |                 |             |          |              |                   | Licensee Business                                                        | Lic. or Reg. No.                                       | Name of Driller                         |