

789257

County Winona  
Quad  
Quad ID

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

Entry Date 07/12/2013  
Update Date 07/12/2013  
Received Date 12/28/2012

|                                                                    |                        |                   |                            |                          |                                                                                                                               |                                                                                                                          |                                          |
|--------------------------------------------------------------------|------------------------|-------------------|----------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>Well Name</b><br>NAHRGANG,                                      | <b>Township</b><br>106 | <b>Range</b><br>8 | <b>Dir Section</b><br>W 30 | <b>Subsection</b><br>BCC | <b>Well Depth</b><br>480 ft.                                                                                                  | <b>Depth Completed</b><br>480 ft.                                                                                        | <b>Date Well Completed</b><br>07/06/2012 |
| <b>Elevation</b>                                                   | <b>Elev. Method</b>    |                   |                            |                          | <b>Drill Method</b><br>Non-specified Rotary                                                                                   | <b>Drill Fluid</b><br>Foam                                                                                               |                                          |
| <b>Address</b><br><br>C/W 26580 ROLLING HILLS RD LEWISTON MN 55952 |                        |                   |                            |                          | <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>                                |
|                                                                    |                        |                   |                            |                          | <b>Casing Type</b><br>Step down                                                                                               | <b>Joint</b>                                                                                                             |                                          |
|                                                                    |                        |                   |                            |                          | <b>Drive Shoe?</b><br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                     | <b>Above/Below</b>                                                                                                       |                                          |
| <b>Geological Material</b>                                         |                        |                   |                            |                          | <b>Casing Diameter</b>                                                                                                        | <b>Weight</b>                                                                                                            | <b>Hole Diameter</b>                     |
| DRIFT                                                              |                        |                   |                            |                          | 4 in. To                                                                                                                      | 390 ft. 10 lbs./ft.                                                                                                      | 12 in. To 12 ft.                         |
| LIMESTONE                                                          |                        |                   |                            |                          | 8 in. To                                                                                                                      | 12 ft. lbs./ft.                                                                                                          | 8 in. To 390 ft.                         |
| SANDSTONE                                                          |                        |                   |                            |                          |                                                                                                                               |                                                                                                                          | 4 in. To 480 ft.                         |
| LIMESTONE                                                          |                        |                   |                            |                          |                                                                                                                               |                                                                                                                          |                                          |
| SANDSTONE                                                          |                        |                   |                            |                          |                                                                                                                               |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | <b>Open Hole</b>                                                                                                              | From 390 ft.                                                                                                             | To 480 ft.                               |
|                                                                    |                        |                   |                            |                          | <b>Screen?</b> <input type="checkbox"/>                                                                                       | <b>Type</b>                                                                                                              | <b>Make</b>                              |
|                                                                    |                        |                   |                            |                          |                                                                                                                               |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | <b>Static Water Level</b>                                                                                                     |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | 268 ft.                                                                                                                       | land surface                                                                                                             | Measure 07/06/2012                       |
|                                                                    |                        |                   |                            |                          | <b>Pumping Level (below land surface)</b>                                                                                     |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | 290 ft.                                                                                                                       | 2 hrs. Pumping at                                                                                                        | 25 g.p.m.                                |
|                                                                    |                        |                   |                            |                          | <b>Wellhead Completion</b>                                                                                                    |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | Pitless adapter manufacturer                                                                                                  | MAASS                                                                                                                    | Model                                    |
|                                                                    |                        |                   |                            |                          | <input type="checkbox"/> Casing Protection                                                                                    | <input checked="" type="checkbox"/> 12 in. above grade                                                                   |                                          |
|                                                                    |                        |                   |                            |                          | <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 |                                          |
|                                                                    |                        |                   |                            |                          | Material                                                                                                                      | Amount                                                                                                                   | From To                                  |
|                                                                    |                        |                   |                            |                          | neat cement                                                                                                                   | 7 Cubic yards                                                                                                            | ft. 390 ft.                              |
|                                                                    |                        |                   |                            |                          | <b>Nearest Known Source of Contamination</b>                                                                                  |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | 50 feet                                                                                                                       | Direction                                                                                                                | Type                                     |
|                                                                    |                        |                   |                            |                          | Well disinfected upon completion?                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                      |                                          |
|                                                                    |                        |                   |                            |                          | <b>Pump</b> <input type="checkbox"/> Not Installed                                                                            | Date Installed                                                                                                           | 07/06/2012                               |
|                                                                    |                        |                   |                            |                          | Manufacturer's name                                                                                                           | GRUNDFOS                                                                                                                 |                                          |
|                                                                    |                        |                   |                            |                          | Model Number                                                                                                                  | SQE15-330                                                                                                                | HP 1.5 Volt 230                          |
|                                                                    |                        |                   |                            |                          | Length of drop pipe                                                                                                           | 360 ft                                                                                                                   | Capacity 12 g.p. Typ Submersible         |
|                                                                    |                        |                   |                            |                          | <b>Abandoned</b>                                                                                                              |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | <b>Variance</b>                                                                                                               |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No        |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | <b>Miscellaneous</b>                                                                                                          |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | First Bedrock                                                                                                                 | Aquifer                                                                                                                  |                                          |
|                                                                    |                        |                   |                            |                          | Last Strat                                                                                                                    | Depth to Bedrock                                                                                                         | ft                                       |
|                                                                    |                        |                   |                            |                          | Located by                                                                                                                    |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | Locate Method                                                                                                                 |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | System                                                                                                                        | UTM - NAD83, Zone 15, Meters                                                                                             | X Y                                      |
|                                                                    |                        |                   |                            |                          | Unique Number Verification                                                                                                    | Input Date                                                                                                               |                                          |
|                                                                    |                        |                   |                            |                          | <b>Angled Drill Hole</b>                                                                                                      |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          |                                                                                                                               |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | <b>Well Contractor</b>                                                                                                        |                                                                                                                          |                                          |
|                                                                    |                        |                   |                            |                          | Peterson Well Drilling, Inc.                                                                                                  | 2293                                                                                                                     | PETERSON                                 |
|                                                                    |                        |                   |                            |                          | Licensee Business                                                                                                             | Lic. or Reg. No.                                                                                                         | Name of Driller                          |

Remarks  
\*\*\*CASING--SPECIFICATIONS=79\*\*\*