

756468

County

Washington

Quad

Hudson

Quad ID

102A

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

12/17/2009

Update Date

09/30/2014

Received Date

06/16/2009

|                                              |          |              |                                         |          |            |
|----------------------------------------------|----------|--------------|-----------------------------------------|----------|------------|
| Well Name                                    | Township | Range        | Dir                                     | Section  | Subsection |
| MASLUND,                                     | 28       | 20           | W                                       | 14       | CDDCBB     |
| Elevation                                    | 690 ft.  | Elev. Method | 7.5 minute topographic map (+/- 5 feet) |          |            |
| Address                                      |          |              |                                         |          |            |
| Well2990 ITASCA AV S ST MARYS POINT MN 55043 |          |              |                                         |          |            |
| Stratigraphy Information                     |          |              |                                         |          |            |
| Geological Material                          | From     | To (ft.)     | Color                                   | Hardness |            |
| SAND                                         | 0        | 93           | BROWN                                   | SOFT     |            |

|                                                                                                                               |                                                                     |                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Well Depth                                                                                                                    | Depth Completed                                                     | Date Well Completed                                                                                        |
| 94 ft.                                                                                                                        | 94 ft.                                                              | 06/10/2009                                                                                                 |
| Drill Method                                                                                                                  | Non-specified Rotary                                                |                                                                                                            |
| Drill Fluid                                                                                                                   |                                                                     |                                                                                                            |
| Use                                                                                                                           | domestic                                                            | StatusActive                                                                                               |
| Well Hydrofractured?                                                                                                          | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | FromTo                                                                                                     |
| Casing Type                                                                                                                   | Single casing                                                       | JointThreaded                                                                                              |
| Drive Shoe?                                                                                                                   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Above/Below                                                                                                |
| Casing Diameter                                                                                                               | Weight                                                              |                                                                                                            |
| 4 in. To 90 ft.                                                                                                               | 11 lbs./ft.                                                         |                                                                                                            |
| Open Hole                                                                                                                     | Fromft.                                                             | Toft.                                                                                                      |
| Screen?                                                                                                                       | <input checked="" type="checkbox"/>                                 | Typestainless                                                                                              |
| Diameter                                                                                                                      | Slot/Gauze                                                          | LengthSet                                                                                                  |
| 2 in.                                                                                                                         | 12                                                                  | 3 ft. 90 ft. 93 ft.                                                                                        |
| Static Water Level                                                                                                            |                                                                     |                                                                                                            |
| 50 ft.                                                                                                                        | land surface                                                        | Measure06/10/2009                                                                                          |
| Pumping Level (below land surface)                                                                                            |                                                                     |                                                                                                            |
| 73 ft.                                                                                                                        | 1 hrs.                                                              | Pumping at30 g.p.m.                                                                                        |
| Wellhead Completion                                                                                                           |                                                                     |                                                                                                            |
| Pitless adapter manufacturer                                                                                                  | MAASS                                                               | Model4J1                                                                                                   |
| <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 <input type="checkbox"/> No <input type="checkbox"/> Not Specified |
| Material                                                                                                                      | Amount                                                              | FromTo                                                                                                     |
| bentonite                                                                                                                     | 2 Sacks                                                             | ft. 94 ft.                                                                                                 |
| Nearest Known Source of Contamination                                                                                         |                                                                     |                                                                                                            |
| 50 feet                                                                                                                       | North                                                               | Direction                                                                                                  |
| Well disinfected upon completion?                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | TanksType                                                                                                  |
| Pump                                                                                                                          | <input type="checkbox"/> Not Installed                              | Date Installed06/11/2009                                                                                   |
| Manufacturer's name                                                                                                           | A.Y. MCDONALD                                                       |                                                                                                            |
| Model Number                                                                                                                  | 23050K3LB                                                           | HP0.5                                                                                                      |
| Length of drop pipe                                                                                                           | 63 ft                                                               | Capacity10 g.p.                                                                                            |
| 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                                                             | Quat. Water                                                                                                |
| Last Strat                                                                                                                    | sand-brown                                                          | Depth to Bedrockft                                                                                         |
| Located byMinnesota Department of Health                                                                                      |                                                                     |                                                                                                            |
| Locate MethodGPS SA Off (averaged) (15 meters)                                                                                |                                                                     |                                                                                                            |
| System                                                                                                                        | UTM - NAD83, Zone 15, Meters                                        | X 517837 Y 4972562                                                                                         |
| Unique Number Verification                                                                                                    | Info/GPS from data                                                  | Input Date06/25/2009                                                                                       |
| Angled Drill Hole                                                                                                             |                                                                     |                                                                                                            |
| Well Contractor                                                                                                               |                                                                     |                                                                                                            |
| Mantyla Well Drilling, Inc.                                                                                                   | 1394                                                                | SANDERS, G.                                                                                                |
| Licensee Business                                                                                                             | Lic. or Reg. No.                                                    | Name of Driller                                                                                            |

Minnesota Well Index Report

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