

710125

County

Washington

Quad

Hudson

Quad ID

102A

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

02/15/2006

Update Date

02/14/2014

Received Date

10/24/2005

|                                       |          |              |                                         |          |            |
|---------------------------------------|----------|--------------|-----------------------------------------|----------|------------|
| Well Name                             | Township | Range        | Dir                                     | Section  | Subsection |
| KENNEDY, TOM                          | 29       | 20           | W                                       | 27       | BABCB      |
| Elevation                             | 932 ft.  | Elev. Method | 7.5 minute topographic map (+/- 5 feet) |          |            |
| Address                               |          |              |                                         |          |            |
| Well1921 PARIS AV N LAKELAND MN 55082 |          |              |                                         |          |            |
| Stratigraphy Information              |          |              |                                         |          |            |
| Geological Material                   | From     | To (ft.)     | Color                                   | Hardness |            |
| CLAY                                  | 0        | 60           | BROWN                                   | SOFT     |            |
| SANDROCK                              | 60       | 89           | YELLOW                                  | SOFT     |            |
| LIMEROCK                              | 89       | 250          | YELLOW                                  | HARD     |            |
| SANDROCK                              | 250      | 280          | WHITE                                   | MEDIUM   |            |

|                                                                                                                               |                                                                     |                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Well Depth                                                                                                                    | Depth Completed                                                     | Date Well Completed                                                                                        |
| 280 ft.                                                                                                                       | 280 ft.                                                             | 10/07/2005                                                                                                 |
| Drill Method                                                                                                                  | Non-specified Rotary                                                | Drill FluidOther                                                                                           |
| Use                                                                                                                           | domestic                                                            | StatusActive                                                                                               |
| Well Hydrofractured?                                                                                                          | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | FromTo                                                                                                     |
| Casing Type                                                                                                                   | Step down                                                           | JointWelded                                                                                                |
| Drive Shoe?                                                                                                                   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Above/Below                                                                                                |
| Casing Diameter                                                                                                               | Weight                                                              | Hole Diameter                                                                                              |
| 4 in. To 268 ft. 10.79 lbs./ft.                                                                                               |                                                                     | 12 in. To 86 ft.                                                                                           |
| 8 in. To 86 ft. 28.55 lbs./ft.                                                                                                |                                                                     | 8 in. To 268 ft.                                                                                           |
|                                                                                                                               |                                                                     | 4 in. To 280 ft.                                                                                           |
| Open Hole                                                                                                                     | From268 ft.                                                         | To280 ft.                                                                                                  |
| Screen?                                                                                                                       | <input type="checkbox"/>                                            | TypeMake                                                                                                   |
| Static Water Level                                                                                                            |                                                                     |                                                                                                            |
| 160 ft.                                                                                                                       | land surface                                                        | Measure10/07/2005                                                                                          |
| Pumping Level (below land surface)                                                                                            |                                                                     |                                                                                                            |
| 200 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                                                                                                     |
| neat cement                                                                                                                   | 160 Sacks                                                           | ft. 268 ft.                                                                                                |
| Nearest Known Source of Contamination                                                                                         |                                                                     |                                                                                                            |
| 50 feet                                                                                                                       | Southeas Direction                                                  | Septic tank/drain field Type                                                                               |
| Well disinfected upon completion?                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                                                                                                            |
| Pump                                                                                                                          | <input type="checkbox"/> Not Installed                              | Date Installed10/12/2005                                                                                   |
| Manufacturer's name                                                                                                           | GPM                                                                 |                                                                                                            |
| Model Number                                                                                                                  | 15P1516                                                             | HP1.5                                                                                                      |
| Length of drop pipe                                                                                                           | 200 ft                                                              | Capacity15 g.p.                                                                                            |
|                                                                                                                               |                                                                     | Volt230                                                                                                    |
|                                                                                                                               |                                                                     | TypSubmersible                                                                                             |
| 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                                                                                                                 | St.Peter Sandstone                                                  | AquiferJordan                                                                                              |
| Last Strat                                                                                                                    | Jordan Sandstone                                                    | Depth to Bedrock60 ft                                                                                      |
| Located by                                                                                                                    | Minnesota Geological Survey                                         |                                                                                                            |
| Locate Method                                                                                                                 | Digitization (Screen) - Map (1:24,000) (15 meters or                |                                                                                                            |
| System                                                                                                                        | UTM - NAD83, Zone 15, Meters                                        | X 516047 Y 4980390                                                                                         |
| Unique Number Verification                                                                                                    | Info/GPS from data                                                  | Input Date10/21/2005                                                                                       |
| Angled Drill Hole                                                                                                             |                                                                     |                                                                                                            |
| Well Contractor                                                                                                               |                                                                     |                                                                                                            |
| Mantyla Well Co.                                                                                                              | 82084                                                               | RICHARD/KEITH                                                                                              |
| Licensee Business                                                                                                             | Lic. or Reg. No.                                                    | Name of Driller                                                                                            |

Minnesota Well Index Report

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