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County Stearns  
Quad  
Quad ID

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

Entry Date 10/01/1998  
Update Date 05/19/2014  
Received Date

|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------|-----------------|----------------------|---------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------|
| <b>Well Name</b><br>HAMMER,                                                                                                                                                                                                            | <b>Township</b><br>123 | <b>Range</b><br>30 | <b>Dir</b><br>W | <b>Section</b><br>20 | <b>Subsection</b><br>null | <b>Well Depth</b><br>52 ft.                                                                                | <b>Depth Completed</b><br>50 ft. | <b>Date Well Completed</b><br>07/21/1998 |
| <b>Elevation</b>                                                                                                                                                                                                                       | <b>Elev. Method</b>    |                    |                 |                      |                           | <b>Drill Method</b><br>Non-specified Rotary                                                                | <b>Drill Fluid</b><br>Bentonite  |                                          |
| <b>Address</b><br><br>C/W 18005 HWY 23 COLD SPRING MN 56320                                                                                                                                                                            |                        |                    |                 |                      |                           | <b>Use</b><br>domestic                                                                                     | <b>Status</b><br>Active          |                                          |
| <b>Stratigraphy Information</b><br>Geological Material From To (ft.) Color Hardness<br>CLAY 0 19 BROWN MEDIUM<br>SAND & CLAY 19 30 BROWN SOFT<br>SAND, CLAY & MARL 30 37 BROWN SFT-HRD<br>MARL 37 52 BLUE MEDIUM                       |                        |                    |                 |                      |                           | <b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>From</b> <b>To</b> |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | <b>Casing Type</b> Single casing <b>Joint</b>                                                              |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | <b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input type="checkbox"/> <b>Above/Below</b>             |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | <b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b>                                                  |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | 4 in. To 30 ft. lbs./ft. 8 in. To 30 ft.                                                                   |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | 7 in. To 52 ft.                                                                                            |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | <b>Open Hole</b> From ft. To ft.                                                                           |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | <b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b> HORIZON                 |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | Diameter Slot/Gauze Length Set                                                                             |                                  |                                          |
|                                                                                                                                                                                                                                        |                        |                    |                 |                      |                           | 4 in. 25 12 ft. 30 ft. 42 ft.                                                                              |                                  |                                          |
| <b>Static Water Level</b><br>17 ft. land surface Measure 07/21/1998                                                                                                                                                                    |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Pumping Level (below land surface)</b><br>30 ft. 1 hrs. Pumping at 25 g.p.m.                                                                                                                                                        |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Wellhead Completion</b><br>Pitless adapter manufacturer Model<br><input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade<br><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<br>Material Amount From To<br>high solids bentonite 2 Sacks 28 ft. ft.            |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Nearest Known Source of Contamination</b><br>60 feet Southwes 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<br>Manufacturer's name<br>Model Number HP Volt<br>Length of drop pipe ft Capacity g.p. Typ                                                                           |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Abandoned</b><br>Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                 |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Variance</b><br>Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Miscellaneous</b><br>First Bedrock Aquifer<br>Last Strat Depth to Bedrock ft<br>Located by<br>Locate Method<br>System UTM - NAD83, Zone 15, Meters X Y<br>Unique Number Verification Input Date                                     |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Angled Drill Hole</b>                                                                                                                                                                                                               |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |
| <b>Well Contractor</b><br>Jennings Well Co. 73321 NORDMANN,MIKE<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                  |                        |                    |                 |                      |                           |                                                                                                            |                                  |                                          |