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County Scott  
Quad  
Quad ID

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

Entry Date 10/07/2005  
Update Date 01/09/2014  
Received Date 06/06/2005

|                                                                          |                 |             |                     |                    |                                                                                                                               |                            |                                   |
|--------------------------------------------------------------------------|-----------------|-------------|---------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| Well Name<br>DOOLITTLE,                                                  | Township<br>115 | Range<br>22 | Dir Section<br>W 32 | Subsection<br>null | Well Depth<br>341 ft.                                                                                                         | Depth Completed<br>341 ft. | Date Well Completed<br>05/30/2005 |
| Elevation                                                                | Elev. Method    |             |                     |                    | Drill Method<br>Non-specified Rotary                                                                                          | Drill Fluid<br>Qwik gel    |                                   |
| Address<br><br>Well 3683 79 CR SHAKOPEE MN 85379                         |                 |             |                     |                    | Use<br>domestic                                                                                                               | Status<br>Active           |                                   |
|                                                                          |                 |             |                     |                    | Well Hydrofractured?<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                   |                            |                                   |
| Stratigraphy Information                                                 |                 |             |                     |                    | Casing Type<br>Step down                                                                                                      | Joint<br>Welded            |                                   |
|                                                                          |                 |             |                     |                    | Drive Shoe?<br>Yes <input type="checkbox"/> No <input type="checkbox"/>                                                       |                            |                                   |
| Geological Material                                                      |                 | From        | To (ft.)            | Color              | Hardness                                                                                                                      | Casing Diameter            |                                   |
| SOIL                                                                     |                 | 0           | 8                   | BLACK              | SOFT                                                                                                                          | Weight                     |                                   |
| CLAY                                                                     |                 | 8           | 32                  | YELLOW             | SOFT                                                                                                                          | Hole Diameter              |                                   |
| SAND/GRAVEL                                                              |                 | 32          | 132                 | BROWN              | MEDIUM                                                                                                                        | 4 in. To 252 ft. lbs./ft.  |                                   |
| LIMESTONE                                                                |                 | 132         | 215                 | BROWN              | HARD                                                                                                                          | 8 in. To 132 ft. lbs./ft.  |                                   |
| SANDSTONE                                                                |                 | 215         | 341                 | YELLOW             | MEDIUM                                                                                                                        | 8 in. To 252 ft.           |                                   |
| Open Hole                                                                |                 |             |                     |                    | From                                                                                                                          | 252 ft.                    | To                                |
|                                                                          |                 |             |                     |                    | Type                                                                                                                          |                            | 341 ft.                           |
| Screen?                                                                  |                 |             |                     |                    | Make                                                                                                                          |                            |                                   |
| Static Water Level                                                       |                 |             |                     |                    | 178 ft. land surface Measure 05/30/2005                                                                                       |                            |                                   |
| Pumping Level (below land surface)                                       |                 |             |                     |                    | 240 ft. 2 hrs. Pumping at 40 g.p.m.                                                                                           |                            |                                   |
| Wellhead Completion                                                      |                 |             |                     |                    | Pitless adapter manufacturer MERRILL Model SPK4X6                                                                             |                            |                                   |
| <input type="checkbox"/> Casing Protection                               |                 |             |                     |                    | <input 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                                                                                                                        | From                       | To                                |
| neat cement                                                              |                 |             |                     |                    | 6 Cubic yards                                                                                                                 | ft.                        | 252 ft.                           |
| Nearest Known Source of Contamination                                    |                 |             |                     |                    | 26 feet North Direction Septic tank/drain field Type                                                                          |                            |                                   |
| Well disinfected upon completion?                                        |                 |             |                     |                    | <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                      |                            |                                   |
| Pump                                                                     |                 |             |                     |                    | <input type="checkbox"/> Not Installed Date Installed 05/31/2005                                                              |                            |                                   |
| Manufacturer's name                                                      |                 |             |                     |                    | AERMOTOR                                                                                                                      |                            |                                   |
| Model Number                                                             |                 |             |                     |                    | S-12-100                                                                                                                      | HP                         | 1                                 |
| Length of drop pipe                                                      |                 |             |                     |                    | 210 ft                                                                                                                        | Capacity                   | 12 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                                                                                                         |                            |                                   |
| Last Strat                                                               |                 |             |                     |                    | Depth to Bedrock ft                                                                                                           |                            |                                   |
| Located by                                                               |                 |             |                     |                    | Locate Method                                                                                                                 |                            |                                   |
| System                                                                   |                 |             |                     |                    | UTM - NAD83, Zone 15, Meters X Y                                                                                              |                            |                                   |
| Unique Number Verification                                               |                 |             |                     |                    | Input Date                                                                                                                    |                            |                                   |
| Angled Drill Hole                                                        |                 |             |                     |                    |                                                                                                                               |                            |                                   |
| Well Contractor                                                          |                 |             |                     |                    | Gary's Well Co. 70417 SCHWICH, G.                                                                                             |                            |                                   |
| Licensee Business                                                        |                 |             |                     |                    | Lic. or Reg. No. Name of Driller                                                                                              |                            |                                   |