

700610

County Washington  
Quad Stillwater  
Quad ID 118D

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

Entry Date01/10/2005  
Update Date11/26/2013  
Received Date10/04/2004

|                                                         |                                      |             |          |              |                      |                                                                                                                                  |                                                        |                                   |
|---------------------------------------------------------|--------------------------------------|-------------|----------|--------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------|
| Well Name<br>J.P. BUSH                                  | Township<br>29                       | Range<br>20 | Dir<br>W | Section<br>7 | Subsection<br>AABBBB | Well Depth<br>300 ft.                                                                                                            | Depth Completed<br>300 ft.                             | Date Well Completed<br>08/24/2004 |
| Elevation<br>922 ft.                                    | Elev. Method<br>LiDAR 1m DEM (MNDNR) |             |          |              |                      |                                                                                                                                  | Drill Method<br>Non-specified Rotary                   | Drill Fluid<br>Bentonite          |
| Address<br>Well 12635 53RD ST. CT N STILLWATER MN 55082 |                                      |             |          |              |                      | Use<br>domestic                                                                                                                  | Status<br>Active                                       |                                   |
| Stratigraphy Information                                |                                      |             |          |              |                      | Well Hydrofractured?<br>Yes <input type="checkbox"/> No <input type="checkbox"/>                                                 | From<br>To                                             |                                   |
|                                                         |                                      |             |          |              |                      | Casing Type<br>Step down                                                                                                         | Joint<br>Welded                                        |                                   |
|                                                         |                                      |             |          |              |                      | Drive Shoe?<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                               | Above/Below                                            |                                   |
| Geological Material                                     |                                      |             |          |              |                      | Casing Diameter                                                                                                                  | Weight                                                 | Hole Diameter                     |
| CLAY & GRAVEL                                           |                                      |             |          |              |                      | 4 in. To                                                                                                                         | 280 ft. 10.87 lbs./ft.                                 | 12 in. To 78 ft.                  |
| LIMEROCK BROKEN                                         |                                      |             |          |              |                      | 8 in. To                                                                                                                         | 88 ft. lbs./ft.                                        | 8 in. To 273 ft.                  |
| LIMEROCK                                                |                                      |             |          |              |                      |                                                                                                                                  |                                                        | 4 in. To 300 ft.                  |
| SANDROCK                                                |                                      |             |          |              |                      |                                                                                                                                  |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Open Hole<br>From 280 ft. To 300 ft.                                                                                             |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Screen?<br><input type="checkbox"/>                                                                                              | Type<br>Make                                           |                                   |
|                                                         |                                      |             |          |              |                      | Static Water Level                                                                                                               |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | 60 ft. land surface                                                                                                              | Measure                                                | 08/24/2004                        |
|                                                         |                                      |             |          |              |                      | Pumping Level (below land surface)                                                                                               |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | 100 ft. hrs. Pumping at                                                                                                          | g.p.m.                                                 |                                   |
|                                                         |                                      |             |          |              |                      | Wellhead Completion                                                                                                              |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Pitless adapter manufacturer<br>BAKER                                                                                            | Model<br>SNAPPY                                        |                                   |
|                                                         |                                      |             |          |              |                      | <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?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified      |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Material<br>neat cement                                                                                                          | Amount<br>137 Sacks                                    | From<br>To<br>ft. 237 ft.         |
|                                                         |                                      |             |          |              |                      | Nearest Known Source of Contamination                                                                                            |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | 75 feet                                                                                                                          | Northeas Direction                                     | Type                              |
|                                                         |                                      |             |          |              |                      | Well disinfected upon completion?<br><input type="checkbox"/> Yes <input type="checkbox"/> No                                    |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Pump<br><input checked="" type="checkbox"/> Not Installed                                                                        | Date Installed                                         |                                   |
|                                                         |                                      |             |          |              |                      | Manufacturer's name                                                                                                              |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Model Number                                                                                                                     | HP                                                     | Volt                              |
|                                                         |                                      |             |          |              |                      | Length of drop pipe                                                                                                              | ft Capacity                                            | g.p. Typ                          |
|                                                         |                                      |             |          |              |                      | Abandoned                                                                                                                        |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Does property have any not in use and not sealed well(s)?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Variance                                                                                                                         |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Was a variance granted from the MDH for this well?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No        |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Miscellaneous                                                                                                                    |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | First Bedrock<br>Prairie Du Chien Group                                                                                          | Aquifer<br>Jordan                                      |                                   |
|                                                         |                                      |             |          |              |                      | Last Strat<br>Jordan Sandstone                                                                                                   | Depth to Bedrock<br>75                                 | ft                                |
|                                                         |                                      |             |          |              |                      | Located by<br>Minnesota Geological Survey                                                                                        |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Locate Method<br>Digitization (Screen) - Map (1:24,000) (15 meters or                                                            |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | System<br>UTM - NAD83, Zone 15, Meters                                                                                           | X 511979                                               | Y 4985340                         |
|                                                         |                                      |             |          |              |                      | Unique Number Verification                                                                                                       | Address verification                                   | Input Date<br>01/23/2013          |
|                                                         |                                      |             |          |              |                      | Angled Drill Hole                                                                                                                |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Well Contractor                                                                                                                  |                                                        |                                   |
|                                                         |                                      |             |          |              |                      | Mccullough & Sons                                                                                                                | 82054                                                  | KIMMES BAUER                      |
|                                                         |                                      |             |          |              |                      | Licensee Business                                                                                                                | Lic. or Reg. No.                                       | Name of Driller                   |