

757013

CountyOlmsted  
QuadRock Dell  
Quad ID29B

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

Entry Date12/30/2009  
Update Date11/18/2016  
Received Date02/11/2008

|                                                   |                                      |             |          |               |                       |                                                                                                                                               |                            |                                   |
|---------------------------------------------------|--------------------------------------|-------------|----------|---------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
| Well Name<br>DERLETH,                             | Township<br>106                      | Range<br>15 | Dir<br>W | Section<br>29 | Subsection<br>AABCD A | Well Depth<br>400 ft.                                                                                                                         | Depth Completed<br>400 ft. | Date Well Completed<br>01/23/2008 |
| Elevation<br>1243                                 | Elev. Method<br>LiDAR 1m DEM (MNDNR) |             |          |               |                       | Drill Method<br>Non-specified Rotary                                                                                                          | Drill Fluid<br>Foam        |                                   |
| Address                                           |                                      |             |          |               |                       | Use<br>domestic                                                                                                                               | Status<br>Active           |                                   |
| Well<br>4077 159 CR SW BYRON MN 55920             |                                      |             |          |               |                       | Well Hydrofractured? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> From To                                              |                            |                                   |
| Contact<br>1101 NORTHWAY LA NE ROCHESTER MN 55906 |                                      |             |          |               |                       | Casing Type<br>Single casing Joint Welded                                                                                                     |                            |                                   |
| Stratigraphy Information                          |                                      |             |          |               |                       | Drive Shoe? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Above/Below                                                   |                            |                                   |
| Geological Material                               |                                      |             |          |               |                       | Casing Diameter Weight Hole Diameter                                                                                                          |                            |                                   |
| DRIFT                                             |                                      |             |          |               |                       | 4 in. To 352 ft. lbs./ft. 12 in. To 17 ft.                                                                                                    |                            |                                   |
| LIMESTONE                                         |                                      |             |          |               |                       | 8 in. To 352 ft.                                                                                                                              |                            |                                   |
| SHALE                                             |                                      |             |          |               |                       | 4 in. To 400 ft.                                                                                                                              |                            |                                   |
| LIMESTONE                                         |                                      |             |          |               |                       |                                                                                                                                               |                            |                                   |
| SHALE                                             |                                      |             |          |               |                       |                                                                                                                                               |                            |                                   |
| SANDSTONE                                         |                                      |             |          |               |                       |                                                                                                                                               |                            |                                   |
| LIMESTONE                                         |                                      |             |          |               |                       |                                                                                                                                               |                            |                                   |
|                                                   |                                      |             |          |               |                       | Open Hole From 352 ft. To 400 ft.                                                                                                             |                            |                                   |
|                                                   |                                      |             |          |               |                       | Screen? <input type="checkbox"/> Type Make                                                                                                    |                            |                                   |
|                                                   |                                      |             |          |               |                       |                                                                                                                                               |                            |                                   |
|                                                   |                                      |             |          |               |                       | Static Water Level                                                                                                                            |                            |                                   |
|                                                   |                                      |             |          |               |                       | 112 ft. land surface Measure 01/16/2008                                                                                                       |                            |                                   |
|                                                   |                                      |             |          |               |                       | Pumping Level (below land surface)                                                                                                            |                            |                                   |
|                                                   |                                      |             |          |               |                       | 122 ft. 2 hrs. Pumping at 15 g.p.m.                                                                                                           |                            |                                   |
|                                                   |                                      |             |          |               |                       | Wellhead Completion                                                                                                                           |                            |                                   |
|                                                   |                                      |             |          |               |                       | Pitless adapter manufacturer BAKER Model 4" X 5'                                                                                              |                            |                                   |
|                                                   |                                      |             |          |               |                       | <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                                                                                                                       |                            |                                   |
|                                                   |                                      |             |          |               |                       | pearock 3 Cubic yards 17 ft. 242 ft.                                                                                                          |                            |                                   |
|                                                   |                                      |             |          |               |                       | neat cement 4.5 Cubic yards ft. 352 ft.                                                                                                       |                            |                                   |
|                                                   |                                      |             |          |               |                       | Nearest Known Source of Contamination                                                                                                         |                            |                                   |
|                                                   |                                      |             |          |               |                       | 50 feet Direction Type                                                                                                                        |                            |                                   |
|                                                   |                                      |             |          |               |                       | Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                         |                            |                                   |
|                                                   |                                      |             |          |               |                       | Pump <input type="checkbox"/> Not Installed Date Installed 01/21/2008                                                                         |                            |                                   |
|                                                   |                                      |             |          |               |                       | Manufacturer's name GRUNDFOS                                                                                                                  |                            |                                   |
|                                                   |                                      |             |          |               |                       | Model Number 10SQE10- HP 1 Volt 230                                                                                                           |                            |                                   |
|                                                   |                                      |             |          |               |                       | Length of drop pipe 210 ft Capacity 10 g.p. Typ Submersible                                                                                   |                            |                                   |
|                                                   |                                      |             |          |               |                       | 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 Stewartville- Aquifer Shakopee Fm                                                                                               |                            |                                   |
|                                                   |                                      |             |          |               |                       | Last Strat Pr.du Chien/Shakopee Fm Depth to Bedrock 17 ft                                                                                     |                            |                                   |
|                                                   |                                      |             |          |               |                       | Located by Minnesota Geological Survey                                                                                                        |                            |                                   |
|                                                   |                                      |             |          |               |                       | Locate Method GPS SA Off (averaged) (15 meters)                                                                                               |                            |                                   |
|                                                   |                                      |             |          |               |                       | System UTM - NAD83, Zone 15, Meters X 528712 Y 4867788                                                                                        |                            |                                   |
|                                                   |                                      |             |          |               |                       | Unique Number Verification Tax Records Input Date 11/05/2015                                                                                  |                            |                                   |
|                                                   |                                      |             |          |               |                       | Angled Drill Hole                                                                                                                             |                            |                                   |
|                                                   |                                      |             |          |               |                       | Well Contractor                                                                                                                               |                            |                                   |
|                                                   |                                      |             |          |               |                       | Thein Well Co., Inc. 1337 THEIN, D.                                                                                                           |                            |                                   |
|                                                   |                                      |             |          |               |                       | Licensee Business Lic. or Reg. No. Name of Driller                                                                                            |                            |                                   |