

180037

County Clay  
Quad Baker  
Quad ID 241A

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

Entry Date 02/24/1993  
Update Date 03/10/2014  
Received Date

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------|----------------------------------------|----------------------------------------------------------------|--------------------|-----------------|----------------------|-----------------------------|---------------------------------------------|------|----------|--------|-----------------------------------|---------|---|---|------------------------------------------|------|------|---|----|--------|------|------|----|----|------|------|-----------------|----|----|------|------|---------------------|----|----|------|--------|------|----|----|------|--------|---------------|----|----|------|--------|------------|----|-----|------|------|--------------------|-----|-----|------|--------|-----------------|-----|-----|------|------|-----------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <b>Well Name</b><br>KREBBS,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |     |      |                                        | <b>Township</b><br>137                                         | <b>Range</b><br>46 | <b>Dir</b><br>W | <b>Section</b><br>17 | <b>Subsection</b><br>CBBCAA | <b>Well Depth</b><br>197 ft.                |      |          |        | <b>Depth Completed</b><br>197 ft. |         |   |   | <b>Date Well Completed</b><br>07/02/1984 |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Elevation</b><br>942 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |     |      |                                        | <b>Elev. Method</b><br>7.5 minute topographic map (+/- 5 feet) |                    |                 |                      |                             | <b>Drill Method</b><br>Non-specified Rotary |      |          |        | <b>Drill Fluid</b>                |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Address</b><br><br>C/W 14544 130TH ST S BARNESVILLE MN 56514                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | <b>Use</b><br>domestic                      |      |          |        | <b>Status</b><br>Active           |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Stratigraphy Information</b> <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOPSOIL</td><td>0</td><td>2</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>2</td><td>15</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>15</td><td>29</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY AND STONES</td><td>29</td><td>50</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY, STONES, ROCKS</td><td>50</td><td>52</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>52</td><td>70</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY AND SAND</td><td>70</td><td>90</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>QUICK SAND</td><td>90</td><td>117</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY, SAND, STONES</td><td>117</td><td>191</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND AND STONES</td><td>191</td><td>197</td><td>GRAY</td><td>SOFT</td></tr></table> |     |     |      |                                        |                                                                |                    |                 |                      |                             | Geological Material                         | From | To (ft.) | Color  | Hardness                          | TOPSOIL | 0 | 2 | BLACK                                    | SOFT | CLAY | 2 | 15 | YELLOW | SOFT | CLAY | 15 | 29 | GRAY | SOFT | CLAY AND STONES | 29 | 50 | GRAY | SOFT | CLAY, STONES, ROCKS | 50 | 52 | GRAY | MEDIUM | CLAY | 52 | 70 | GRAY | MEDIUM | CLAY AND SAND | 70 | 90 | GRAY | MEDIUM | QUICK SAND | 90 | 117 | GRAY | SOFT | CLAY, SAND, STONES | 117 | 191 | GRAY | MEDIUM | SAND AND STONES | 191 | 197 | GRAY | SOFT | <b>Well Hydrofractured?</b><br><b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>From</b> <b>To</b> |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | Geological Material                         | From | To (ft.) | Color  | Hardness                          |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | TOPSOIL                                     | 0    | 2        | BLACK  | SOFT                              |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | CLAY                                        | 2    | 15       | YELLOW | SOFT                              |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | CLAY                                        | 15   | 29       | GRAY   | SOFT                              |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | CLAY AND STONES                             | 29   | 50       | GRAY   | SOFT                              |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | CLAY, STONES, ROCKS                         | 50   | 52       | GRAY   | MEDIUM                            |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | CLAY                                        | 52   | 70       | GRAY   | MEDIUM                            |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | CLAY AND SAND                               | 70   | 90       | GRAY   | MEDIUM                            |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |     |      |                                        |                                                                |                    |                 |                      |                             | QUICK SAND                                  | 90   | 117      | GRAY   | SOFT                              |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| CLAY, SAND, STONES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 117 | 191 | GRAY | MEDIUM                                 |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| SAND AND STONES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 191 | 197 | GRAY | SOFT                                   |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Casing Type</b><br>Single casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |     |      | <b>Joint</b><br>Threaded               |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Drive Shoe?</b><br><b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |     |      | <b>Above/Below</b><br>1 ft.            |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Casing Diameter</b><br>4 in. To 191 ft. 11 lbs./ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |     |      | <b>Hole Diameter</b><br>6.2 in. To ft. |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Open Hole</b><br>From ft. To ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Screen?</b> <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |     |      | <b>Type</b> stainless                  |                                                                |                    |                 | <b>Make</b> JOHNSON  |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| Diameter Slot/Gauze Length Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |     |      | 3.8 in. 10 6 ft. 191 ft. 197 ft.       |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Static Water Level</b><br>4 ft. land surface Measure 07/02/1984                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Pumping Level (below land surface)</b><br>197 ft. 5 hrs. Pumping at 50 g.p.m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Wellhead Completion</b><br>Pitless adapter manufacturer Model<br><input type="checkbox"/> Casing Protection <input checked="" type="checkbox"/> 12 in. above grade<br><input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Grouting Information</b><br>Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified<br>Material Amount From To<br>cuttings 0 0 ft. ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Nearest Known Source of Contamination</b><br>100 feet West 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 07/02/1984<br>Manufacturer's name GOULDS<br>Model Number 25EL10412 HP 1 Volt 230<br>Length of drop pipe 140 ft Capacity 20 g.p. Typ Submersible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <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 Quat. buried<br>Last Strat sand +larger-gray Depth to Bedrock ft<br>Located by Minnesota Geological Survey<br>Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or<br>System UTM - NAD83, Zone 15, Meters X 230443 Y 5175676<br>Unique Number Verification Information from Input Date 02/16/2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |
| <b>Well Contractor</b><br>Paasch Well Co. 14212 PAASCH, R.<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |     |      |                                        |                                                                |                    |                 |                      |                             |                                             |      |          |        |                                   |         |   |   |                                          |      |      |   |    |        |      |      |    |    |      |      |                 |    |    |      |      |                     |    |    |      |        |      |    |    |      |        |               |    |    |      |        |            |    |     |      |      |                    |     |     |      |        |                 |     |     |      |      |                                                                                                                             |  |  |  |

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