

409952

County Sherburne  
Quad Clearwater  
Quad ID 139A

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

Entry Date 04/17/1988  
Update Date 03/10/2014  
Received Date

|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
|---------------------------------|--|------|----------|-------|----------------------------------------------------------------|--------------------|---------------------------------------------|----------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------------------|----------------------------------|--|
| <b>Well Name</b><br>AYERS, AL   |  |      |          |       | <b>Township</b><br>35                                          | <b>Range</b><br>30 | <b>Dir</b><br>W                             | <b>Section</b><br>28 | <b>Subsection</b><br>DBBADA | <b>Well Depth</b><br>151 ft.                                                                                                                         | <b>Depth Completed</b><br>151 ft. | <b>Date Well Completed</b><br>01/09/1984 |                         |                                  |  |
| <b>Elevation</b><br>999 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>                  |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Use</b><br>irrigation                                                                                                                             |                                   |                                          | <b>Status</b><br>Active |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Well Hydrofractured?</b><br><b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>From</b> <b>To</b>                          |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Casing Type</b><br>Single casing                                                                                                                  |                                   |                                          |                         | <b>Joint</b>                     |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Drive Shoe?</b> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Above/Below</b>                                         |                                   |                                          |                         |                                  |  |
| <b>Stratigraphy Information</b> |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Casing Diameter</b><br>12 in.                                                                                                                     |                                   |                                          |                         | <b>Weight</b><br>86 ft. lbs./ft. |  |
| Geological Material             |  | From | To (ft.) | Color | Hardness                                                       |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| TOPSOIL                         |  | 0    | 3        | BLACK | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND                            |  | 3    | 12       | BROWN | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND                            |  | 12   | 21       | GRAY  | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND & GRAVEL                   |  | 21   | 33       | BROWN | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SANDY CLAY & ROCKS              |  | 33   | 80       | GRAY  | SFT-MED                                                        |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND 40-50 SLOT                 |  | 80   | 95       | GRAY  | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND 60-80 SLOT                 |  | 95   | 101      | GRAY  | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND FINE & DIRTY               |  | 101  | 111      | GRAY  | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND 20-30 SLOT                 |  | 111  | 121      | GRAY  | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SAND 25-35 SLOT                 |  | 121  | 151      | GRAY  | SOFT                                                           |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
| SANDY CLAY                      |  | 151  | 151      | GRAY  | SFT-MED                                                        |                    |                                             |                      |                             |                                                                                                                                                      |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <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                                                                                                                       |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | 12 in. 60 45 ft. 86 ft. 101 ft.                                                                                                                      |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | 12 in. 60 ft. 121 ft. 151 ft.                                                                                                                        |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Static Water Level</b>                                                                                                                            |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | 1 ft. land surface Measure 01/09/1984                                                                                                                |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Pumping Level (below land surface)</b>                                                                                                            |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | 47 ft. 8 hrs. Pumping at 1000 g.p.m.                                                                                                                 |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Wellhead Completion</b>                                                                                                                           |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Pitless adapter manufacturer Model                                                                                                                   |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade                                                               |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)                                                                             |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Material Amount From To                                                                                                                              |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | bentonite 0 ft. 60 ft.                                                                                                                               |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Nearest Known Source of Contamination</b>                                                                                                         |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | 50 feet Direction Type                                                                                                                               |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Pump</b> <input checked="" type="checkbox"/> Not Installed Date Installed                                                                         |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Manufacturer's name                                                                                                                                  |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Model Number HP Volt                                                                                                                                 |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Length of drop pipe ft Capacity g.p. Typ                                                                                                             |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Abandoned</b>                                                                                                                                     |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No                                   |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Variance</b>                                                                                                                                      |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No                                          |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Miscellaneous</b>                                                                                                                                 |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | First Bedrock Aquifer Quat. buried                                                                                                                   |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Last Strat clay+sand-gray Depth to Bedrock ft                                                                                                        |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Located by Minnesota Geological Survey                                                                                                               |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Locate Method GPS SA Off (averaged) (15 meters)                                                                                                      |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | System UTM - NAD83, Zone 15, Meters X 415913 Y 5038320                                                                                               |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Unique Number Verification Plat Book Input Date 07/27/2010                                                                                           |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Angled Drill Hole</b>                                                                                                                             |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | <b>Well Contractor</b>                                                                                                                               |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Traut M.J. Well Co. 71536 MARK & PAT                                                                                                                 |                                   |                                          |                         |                                  |  |
|                                 |  |      |          |       |                                                                |                    |                                             |                      |                             | Licensee Business Lic. or Reg. No. Name of Driller                                                                                                   |                                   |                                          |                         |                                  |  |