

799734

County Stearns

Quad

Quad ID

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

Entry Date

02/24/2014

Update Date

02/24/2014

Received Date

11/22/2013

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                             |                                                                                                            |                                                                                                                                                                                                                                                                                       |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------|----------|------|---|----|--------|------|------|----|----|------|--------|------|----|----|--------|------|------|----|----|------|--------|------|----|----|--------|------|------|----|----|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------|--------|---------------|-----------------|----------|-----------------|------|-----|----|-----|---------|------------------------------------------------|------|-----------|------|---------|----------|------------|--------|-----|--|--|-------|---|--------|--------|--------|--|--------|--------------|---------|------------|--------|--------|------------|-----------|
| <div>Well Name</div> ILLIES, JOHN & <div>Elevation</div> <div>Elev. Method</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <div>Township</div> 124 <div>Range</div> 34 <div>Dir</div> W <div>Section</div> 9 <div>Subsection</div> ADD | <div>Well Depth</div> 72 ft. <div>Drill Method</div> Non-specified Rotary <div>Drill Fluid</div> Bentonite | <div>Depth Completed</div> 72 ft. <div>Use</div> domestic <div>Well Hydrofractured?</div> <div>Yes</div> <div>No</div> <div>From</div> <div>To</div> <div>Casing Type</div> Single casing <div>Joint</div> <div>Drive Shoe?</div> <div>Yes</div> <div>No</div> <div>Above/Below</div> | <div>Date Well Completed</div> 10/28/2013 <div>Status</div> Active |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| <div>Address</div> <div>Well</div> 30533 MAIN ST ELROSA MN 56325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                             |                                                                                                            |                                                                                                                                                                                                                                                                                       |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| <div>Stratigraphy Information</div> <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>CLAY</td><td>0</td><td>17</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>17</td><td>22</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>22</td><td>27</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>27</td><td>35</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>35</td><td>72</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>SAND</td><td>72</td><td>72</td><td></td><td></td></tr></table> |                                                                                                             | Geological Material                                                                                        | From                                                                                                                                                                                                                                                                                  | To (ft.)                                                           | Color   | Hardness | CLAY | 0 | 17 | YELLOW | SOFT | CLAY | 17 | 22 | BLUE | MEDIUM | SAND | 22 | 27 | YELLOW | SOFT | CLAY | 27 | 35 | BLUE | MEDIUM | SAND | 35 | 72 | YELLOW | SOFT | SAND | 72 | 72 |  |  | <table><tr><td>Casing Diameter</td><td>Weight</td><td>Hole Diameter</td></tr><tr><td>5 in. To 68 ft.</td><td>lbs./ft.</td><td>9 in. To 72 ft.</td></tr></table> <div>Open Hole</div> <table><tr><td>From</td><td>ft.</td><td>To</td><td>ft.</td></tr><tr><td>Screen?</td><td><div><input checked="" type="checkbox"/></div></td><td>Type</td><td>stainless</td><td>Make</td><td>JOHNSON</td></tr><tr><td>Diameter</td><td>Slot/Gauze</td><td>Length</td><td>Set</td><td></td><td></td></tr><tr><td>5 in.</td><td>4</td><td>25 ft.</td><td>68 ft.</td><td>72 ft.</td><td></td></tr></table> <div>Static Water Level</div> <table><tr><td>15 ft.</td><td>land surface</td><td>Measure</td><td>10/28/2013</td></tr></table> <div>Pumping Level (below land surface)</div> <table><tr><td>68 ft.</td><td>1 hrs.</td><td>Pumping at</td><td>50 g.p.m.</td></tr></table> <div>Wellhead Completion</div> <div>Pitless adapter manufacturer</div> <div>Model</div> <div><div><input type="checkbox"/></div>Casing Protection</div> <div><div><input checked="" type="checkbox"/></div>12 in. above grade</div> <div><input type="checkbox"/></div> At-grade (Environmental Wells and Borings ONLY) |  |  | Casing Diameter | Weight | Hole Diameter | 5 in. To 68 ft. | lbs./ft. | 9 in. To 72 ft. | From | ft. | To | ft. | Screen? | <div><input checked="" type="checkbox"/></div> | Type | stainless | Make | JOHNSON | Diameter | Slot/Gauze | Length | Set |  |  | 5 in. | 4 | 25 ft. | 68 ft. | 72 ft. |  | 15 ft. | land surface | Measure | 10/28/2013 | 68 ft. | 1 hrs. | Pumping at | 50 g.p.m. |
| Geological Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | From                                                                                                        | To (ft.)                                                                                                   | Color                                                                                                                                                                                                                                                                                 | Hardness                                                           |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| CLAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                                                                                                           | 17                                                                                                         | YELLOW                                                                                                                                                                                                                                                                                | SOFT                                                               |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| CLAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 17                                                                                                          | 22                                                                                                         | BLUE                                                                                                                                                                                                                                                                                  | MEDIUM                                                             |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| SAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 22                                                                                                          | 27                                                                                                         | YELLOW                                                                                                                                                                                                                                                                                | SOFT                                                               |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| CLAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 27                                                                                                          | 35                                                                                                         | BLUE                                                                                                                                                                                                                                                                                  | MEDIUM                                                             |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| SAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 35                                                                                                          | 72                                                                                                         | YELLOW                                                                                                                                                                                                                                                                                | SOFT                                                               |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| SAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 72                                                                                                          | 72                                                                                                         |                                                                                                                                                                                                                                                                                       |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| Casing Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Weight                                                                                                      | Hole Diameter                                                                                              |                                                                                                                                                                                                                                                                                       |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| 5 in. To 68 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | lbs./ft.                                                                                                    | 9 in. To 72 ft.                                                                                            |                                                                                                                                                                                                                                                                                       |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ft.                                                                                                         | To                                                                                                         | ft.                                                                                                                                                                                                                                                                                   |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| Screen?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <div><input checked="" type="checkbox"/></div>                                                              | Type                                                                                                       | stainless                                                                                                                                                                                                                                                                             | Make                                                               | JOHNSON |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Slot/Gauze                                                                                                  | Length                                                                                                     | Set                                                                                                                                                                                                                                                                                   |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| 5 in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                                                                                                           | 25 ft.                                                                                                     | 68 ft.                                                                                                                                                                                                                                                                                | 72 ft.                                                             |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| 15 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | land surface                                                                                                | Measure                                                                                                    | 10/28/2013                                                                                                                                                                                                                                                                            |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |
| 68 ft.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 hrs.                                                                                                      | Pumping at                                                                                                 | 50 g.p.m.                                                                                                                                                                                                                                                                             |                                                                    |         |          |      |   |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |      |        |      |    |    |        |      |      |    |    |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                 |        |               |                 |          |                 |      |     |    |     |         |                                                |      |           |      |         |          |            |        |     |  |  |       |   |        |        |        |  |        |              |         |            |        |        |            |           |

Grouting Information

Well Grouted?

☐

Yes

☒

No☐

Nearest Known Source of Contamination

Pump

☒

Not Installed

Date Installed

Manufacturer's name

Model Number

HP

Volt

Length of drop pipe

ft

Capacity

g.p.

Typ