

581185

County St. Louis  
Quad Whiteface  
Quad ID 268A

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

Entry Date

Update Date04/10/2017

Received Date06/14/2010

|                                                  |  |  |  |  |                                             |                    |                 |                      |                             |                                                                                                                                                                                                                                                                                                                                             |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|--------------------------------------------------|--|--|--|--|---------------------------------------------|--------------------|-----------------|----------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|------------------------|--|----------------------------------|--|--|---------------|--|------------------------------------------|--|--|----------------------|--|-----------------------------|--|--|-------------|--|--|--|--|-----|--|
| <b>Well Name</b><br>POHL, JAMES                  |  |  |  |  | <b>Township</b><br>54                       | <b>Range</b><br>16 | <b>Dir</b><br>W | <b>Section</b><br>13 | <b>Subsection</b><br>CBBDAC | <b>Well Depth</b><br>74 ft.                                                                                                                                                                                                                                                                                                                 |                 |  |                        |  | <b>Depth Completed</b><br>74 ft. |  |  |               |  | <b>Date Well Completed</b><br>06/14/2010 |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
| <b>Elevation</b><br>1404                         |  |  |  |  | <b>Elev. Method</b><br>LiDAR 1m DEM (MNDNR) |                    |                 |                      |                             | <b>Drill Method</b><br>Multiple methods used                                                                                                                                                                                                                                                                                                |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  | <b>Drill Fluid</b><br>Water |  |  |             |  |  |  |  |     |  |
| <b>Address</b>                                   |  |  |  |  |                                             |                    |                 |                      |                             | <b>Use</b><br>domestic                                                                                                                                                                                                                                                                                                                      |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  | <b>Status</b><br>Active     |  |  |             |  |  |  |  |     |  |
| Contact<br>3748 ALEXANDER RD HERMANTOWN MN 55811 |  |  |  |  |                                             |                    |                 |                      |                             | <b>Well Hydrofractured?</b><br>Yes <input type="checkbox"/> No <input type="checkbox"/>                                                                                                                                                                                                                                                     |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  | <b>From</b><br>To           |  |  |             |  |  |  |  |     |  |
| Well<br>8976 KEALY RD COTTON MN 55724            |  |  |  |  |                                             |                    |                 |                      |                             | <b>Casing Type</b><br>Single casing                                                                                                                                                                                                                                                                                                         |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  | <b>Joint</b><br>Welded      |  |  |             |  |  |  |  |     |  |
| <b>Stratigraphy Information</b>                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Drive Shoe?</b><br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                                                                                                                                                                                                                                   |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  | <b>Above/Below</b>          |  |  |             |  |  |  |  |     |  |
| <b>Geological Material</b>                       |  |  |  |  | <b>From</b>                                 |                    | <b>To (ft.)</b> |                      | <b>Color</b>                |                                                                                                                                                                                                                                                                                                                                             | <b>Hardness</b> |  | <b>Casing Diameter</b> |  |                                  |  |  | <b>Weight</b> |  |                                          |  |  | <b>Hole Diameter</b> |  |                             |  |  |             |  |  |  |  |     |  |
| CLAY                                             |  |  |  |  | 0                                           |                    | 37              |                      | RED                         |                                                                                                                                                                                                                                                                                                                                             | MEDIUM          |  | in. To 70              |  |                                  |  |  | ft. 10.79     |  |                                          |  |  | lbs./ft.             |  |                             |  |  | 4 in. To 74 |  |  |  |  | ft. |  |
| CLAY WITH GRAVEL                                 |  |  |  |  | 37                                          |                    | 42              |                      | GRAY                        |                                                                                                                                                                                                                                                                                                                                             | SOFT            |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
| CLAY WITH BOULDERS                               |  |  |  |  | 42                                          |                    | 65              |                      | GRAY                        |                                                                                                                                                                                                                                                                                                                                             | MEDIUM          |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
| BOULDERS, GRAVEL &                               |  |  |  |  | 65                                          |                    | 74              |                      | GRAY                        |                                                                                                                                                                                                                                                                                                                                             | MEDIUM          |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Open Hole</b><br>From 70 ft. To 74 ft.                                                                                                                                                                                                                                                                                                   |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Screen?</b> <input type="checkbox"/> <b>Type</b> <b>Make</b>                                                                                                                                                                                                                                                                             |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Static Water Level</b><br>23 ft. land surface Measure 06/03/2010                                                                                                                                                                                                                                                                         |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Pumping Level (below land surface)</b><br>65 ft. 10 hrs. Pumping at 6 g.p.m.                                                                                                                                                                                                                                                             |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Wellhead Completion</b><br>Pitless adapter manufacturer MONITOR Model SNAPPY<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>bentonite 3 Sacks ft. 70 ft.                                                                                                                          |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Nearest Known Source of Contamination</b><br>55 feet South Direction Body of water 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 06/14/2010<br>Manufacturer's name STA-RITE<br>Model Number SIGNATURE HP 0.5 Volt 230<br>Length of drop pipe 65 ft Capacity 10 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 checked="" type="checkbox"/> No                                                                                                                                                                                           |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Variance</b><br>Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                   |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Miscellaneous</b><br>First Bedrock Aquifer Quat. buried<br>Last Strat sand+silt-gray Depth to Bedrock ft<br>Located by Minnesota Geological Survey<br>Locate Method GPS SA Off (averaged) (15 meters)<br>System UTM - NAD83, Zone 15, Meters X 551416 Y 5223229<br>Unique Number Verification Address verification Input Date 04/06/2017 |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                                    |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
|                                                  |  |  |  |  |                                             |                    |                 |                      |                             | <b>Well Contractor</b><br>Bruce Jagunich Well and 1995 JAGUNICH, B.<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                                                   |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |
| <b>Remarks</b>                                   |  |  |  |  |                                             |                    |                 |                      |                             |                                                                                                                                                                                                                                                                                                                                             |                 |  |                        |  |                                  |  |  |               |  |                                          |  |  |                      |  |                             |  |  |             |  |  |  |  |     |  |