

668674

County Todd  
Quad Lake  
Quad ID 195C

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

Entry Date 04/19/2002  
Update Date 03/11/2005  
Received Date

|                                                                  |                                                                |                    |                 |                      |                                             |                                                                                                    |                                                                                                                                 |                                          |
|------------------------------------------------------------------|----------------------------------------------------------------|--------------------|-----------------|----------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>Well Name</b><br>KING, GERALD                                 | <b>Township</b><br>131                                         | <b>Range</b><br>32 | <b>Dir</b><br>W | <b>Section</b><br>33 | <b>Subsection</b><br>ADBAAC                 | <b>Well Depth</b><br>64 ft.                                                                        | <b>Depth Completed</b><br>64 ft.                                                                                                | <b>Date Well Completed</b><br>12/05/2001 |
| <b>Elevation</b><br>1345                                         | <b>Elev. Method</b><br>7.5 minute topographic map (+/- 5 feet) |                    |                 |                      | <b>Drill Method</b><br>Non-specified Rotary | <b>Drill Fluid</b><br>Bentonite                                                                    |                                                                                                                                 |                                          |
| <b>Address</b><br><br>Well 31393 LITTLE PINE LA CUSHING MN 56443 |                                                                |                    |                 |                      |                                             | <b>Use</b><br>domestic                                                                             | <b>Status</b><br>Active                                                                                                         |                                          |
| <b>Stratigraphy Information</b>                                  |                                                                |                    |                 |                      |                                             | <b>Well Hydrofractured?</b><br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | <b>From</b>                                                                                                                     | <b>To</b>                                |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Casing Type</b><br>Single casing                                                                | <b>Joint</b><br>Threaded                                                                                                        |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Drive Shoe?</b><br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>          | <b>Above/Below</b>                                                                                                              |                                          |
| <b>Geological Material</b><br>SANDY CLAY<br>SAND                 |                                                                |                    |                 |                      |                                             | <b>From</b><br>0<br>30                                                                             | <b>To (ft.)</b><br>30<br>64                                                                                                     | <b>Color</b><br>BROWN<br>BROWN           |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Hardness</b>                                                                                    |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Casing Diameter</b><br>4 in.                                                                    | <b>Weight</b><br>To 60 ft.                                                                                                      | <b>Hole Diameter</b><br>6.7 in.          |
|                                                                  |                                                                |                    |                 |                      |                                             |                                                                                                    | lbs./ft.                                                                                                                        | 64 ft.                                   |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Open Hole</b>                                                                                   | <b>From</b>                                                                                                                     | <b>To</b>                                |
|                                                                  |                                                                |                    |                 |                      |                                             |                                                                                                    | ft.                                                                                                                             | ft.                                      |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Screen?</b> <input checked="" type="checkbox"/>                                                 | <b>Type</b> stainless                                                                                                           | <b>Make</b> JOHNSON                      |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Diameter</b>                                                                                    | <b>Slot/Gauze</b>                                                                                                               | <b>Length</b>                            |
|                                                                  |                                                                |                    |                 |                      |                                             | 2 in.                                                                                              | 12                                                                                                                              | 4 ft.                                    |
|                                                                  |                                                                |                    |                 |                      |                                             |                                                                                                    | Set                                                                                                                             |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | 60 ft.                                                                                             | 64 ft.                                                                                                                          |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Static Water Level</b>                                                                          |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | 30 ft.                                                                                             | land surface                                                                                                                    | Measure 12/05/2001                       |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Pumping Level (below land surface)</b>                                                          |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | ft.                                                                                                | hrs.                                                                                                                            | Pumping at 15 g.p.m.                     |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Wellhead Completion</b>                                                                         |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | Pitless adapter manufacturer                                                                       | BULLDOG                                                                                                                         | 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>                                                                        | <b>Well Grouted?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Material</b>                                                                                    | <b>Amount</b>                                                                                                                   | <b>From</b> <b>To</b>                    |
|                                                                  |                                                                |                    |                 |                      |                                             | high solids bentonite                                                                              |                                                                                                                                 | 0 ft. 30 ft.                             |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Nearest Known Source of Contamination</b>                                                       |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | feet                                                                                               | Direction                                                                                                                       | Type                                     |
|                                                                  |                                                                |                    |                 |                      |                                             | Well disinfected upon completion?                                                                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                             |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Pump</b> <input type="checkbox"/> Not Installed                                                 | <b>Date Installed</b>                                                                                                           | 12/05/2001                               |
|                                                                  |                                                                |                    |                 |                      |                                             | Manufacturer's name                                                                                | STA-RITE                                                                                                                        |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | Model Number                                                                                       | SP410/50                                                                                                                        | HP 0.5                                   |
|                                                                  |                                                                |                    |                 |                      |                                             | Length of drop pipe                                                                                | 45 ft                                                                                                                           | Capacity g.p. Typ Submersible            |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Abandoned</b>                                                                                   |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | Does property have any not in use and not sealed well(s)?                                          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                             |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Variance</b>                                                                                    |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | Was a variance granted from the MDH for this well?                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                             |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Miscellaneous</b>                                                                               |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | First Bedrock                                                                                      | Aquifer                                                                                                                         | Quat. buried                             |
|                                                                  |                                                                |                    |                 |                      |                                             | Last Strat                                                                                         | sand-brown                                                                                                                      | Depth to Bedrock ft                      |
|                                                                  |                                                                |                    |                 |                      |                                             | Located by                                                                                         | Minnesota Geological Survey                                                                                                     |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | Locate Method                                                                                      | Digitization (Screen) - Map (1:24,000) (15 meters or                                                                            |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | System                                                                                             | UTM - NAD83, Zone 15, Meters                                                                                                    | X 367596 Y 5108620                       |
|                                                                  |                                                                |                    |                 |                      |                                             | Unique Number Verification                                                                         | Address verification                                                                                                            | Input Date 05/08/2004                    |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Angled Drill Hole</b>                                                                           |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | <b>Well Contractor</b>                                                                             |                                                                                                                                 |                                          |
|                                                                  |                                                                |                    |                 |                      |                                             | Boart Longyear Drilling                                                                            | 49588                                                                                                                           | HANSON, D.                               |
|                                                                  |                                                                |                    |                 |                      |                                             | Licensee Business                                                                                  | Lic. or Reg. No.                                                                                                                | Name of Driller                          |