

713149

County Wright  
Quad Delano  
Quad ID 122D

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

Entry Date  
Update Date 06/09/2010  
Received Date 01/20/2005

|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|-------------------------------------------------------------------------------------------------|--|-----------------------------------|--|------------------------------------------|--|
| <b>Well Name</b> <b>Township</b> <b>Range</b> <b>Dir Section</b> <b>Subsection</b><br>118      25      W 20      DBDDBD                                                                                                                                                                                                                                                                      |  |  |  |  | <b>Well Depth</b><br>183 ft.                                                                    |  | <b>Depth Completed</b><br>173 ft. |  | <b>Date Well Completed</b><br>12/29/2004 |  |
| <b>Elevation</b> 998 ft. <b>Elev. Method</b> CALC FROM 2-FOOT COUNTY DEM                                                                                                                                                                                                                                                                                                                     |  |  |  |  | <b>Drill Method</b> Non-specified Rotary                                                        |  | <b>Drill Fluid</b> Bentonite      |  |                                          |  |
| <b>Address</b><br><br>Well      9688 13 CR SE DELANO MN 55328                                                                                                                                                                                                                                                                                                                                |  |  |  |  | <b>Use</b> domestic                                                                             |  | <b>Status</b> Active              |  |                                          |  |
| <b>Stratigraphy Information</b><br>Geological Material      From      To (ft.)      Color      Hardness<br>SANDY CLAY      0      35      LT. BRN      MEDIUM<br>SANDY CLAY      35      87      GRAY      MEDIUM<br>SANDY SILTY CLAY      87      155      BROWN      M.SOFT<br>SAND & GRAVEL      155      175      VARIED      SOFT<br>SANDY CLAY      175      183      GRAY      MEDIUM |  |  |  |  | <b>Well Hydrofractured?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  | <b>From</b> <b>To</b>             |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  | <b>Casing Type</b> Single casing                                                                |  | <b>Joint</b> Solvent Welded       |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  | <b>Drive Shoe?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>          |  | <b>Above/Below</b>                |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  | <b>Casing Diameter</b> <b>Weight</b>                                                            |  | <b>Hole Diameter</b>              |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  | 4 in. To      163 ft.      lbs./ft.                                                             |  | 8.7 in. To      20 ft.            |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |                                                                                                 |  | 6.2 in. To      183 ft.           |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <b>Open Hole</b> From      ft.      To      ft.                                                                                                                                                                                                                                                                                                                                              |  |  |  |  | <b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> plastic <b>Make</b>              |  |                                   |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  | <b>Diameter</b> Slot/Gauze      Length      Set                                                 |  |                                   |  |                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  | in.      15      ft.      163 ft.      173 ft.                                                  |  |                                   |  |                                          |  |
| <b>Static Water Level</b>                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <b>Pumping Level (below land surface)</b>                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| 130 ft.      1.5 hrs.      Pumping at      45 g.p.m.                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <b>Wellhead Completion</b>                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Pitless adapter manufacturer      WHITEWATER      Model                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade                                                                                                                                                                                                                                                                                                       |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)                                                                                                                                                                                                                                                                                                                     |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <b>Grouting Information</b> Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Specified                                                                                                                                                                                                                                         |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <b>Material</b> <b>Amount</b> <b>From</b> <b>To</b>                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| high solids bentonite      2 Sacks      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      Date Installed      12/29/2004                                                                                                                                                                                                                                                                                                       |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Manufacturer's name      RED JACKET                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Model Number      HP      1.5      Volt      120                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Length of drop pipe      120 ft      Capacity      20 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      clay+sand-gray      Depth to Bedrock      ft                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Located by      Minnesota Geological Survey                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Locate Method      GPS SA Off (averaged) (15 meters)                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| System      UTM - NAD83, Zone 15, Meters      X 432658      Y 4984533                                                                                                                                                                                                                                                                                                                        |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Unique Number Verification      Tax Records      Input Date      01/27/2010                                                                                                                                                                                                                                                                                                                  |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| <b>Well Contractor</b>                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Bergerson-Caswell      27058      HENRICH, D.                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |
| Licensee Business      Lic. or Reg. No.      Name of Driller                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |                                                                                                 |  |                                   |  |                                          |  |