

475918

County Dakota  
Quad Hastings  
Quad ID 87A

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

Entry Date 07/26/1991  
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|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             |                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                                          |  |  |  |                                          |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|----------------------------------------------------------------|--------------------|-----------------|----------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------------|--|--|--|------------------------------------------|--|--|--|
| <b>Well Name</b><br>REINARDY, JIM                                                                                                                                                                                                         |  |  |  |  | <b>Township</b><br>114                                         | <b>Range</b><br>16 | <b>Dir</b><br>W | <b>Section</b><br>19 | <b>Subsection</b><br>AABACA | <b>Well Depth</b><br>320 ft.                                                                                                                                                                                                                                                                                                                                                                              |  |  |  | <b>Depth Completed</b><br>320 ft.        |  |  |  | <b>Date Well Completed</b><br>09/24/1990 |  |  |  |
| <b>Elevation</b><br>813 ft.                                                                                                                                                                                                               |  |  |  |  | <b>Elev. Method</b><br>7.5 minute topographic map (+/- 5 feet) |                    |                 |                      |                             | <b>Drill Method</b><br>Non-specified Rotary                                                                                                                                                                                                                                                                                                                                                               |  |  |  | <b>Drill Fluid</b><br>Bentonite          |  |  |  |                                          |  |  |  |
| <b>Address</b><br><br>C/W 16320 190TH ST E HASTINGS MN 55033                                                                                                                                                                              |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Use</b><br>domestic                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  | <b>Status</b><br>Active                  |  |  |  |                                          |  |  |  |
| <b>Stratigraphy Information</b><br>Geological Material From To (ft.) Color Hardness<br>SOIL 0 3 BLACK SOFT<br>SAND 3 10 BROWN SOFT<br>SAND GRAVEL 10 265 BROWN MEDIUM<br>GRAVEL CLAY 265 277 BROWN M.HARD<br>SAND ROCK 277 320 GREEN HARD |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Well Hydrofractured?</b><br><b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/>                                                                                                                                                                                                                                                                                                     |  |  |  | <b>From</b><br><b>To</b>                 |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Casing Type</b><br>Single casing                                                                                                                                                                                                                                                                                                                                                                       |  |  |  | <b>Joint</b><br>Welded                   |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Drive Shoe?</b><br><b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/>                                                                                                                                                                                                                                                                                                   |  |  |  | <b>Above/Below</b><br>1 ft.              |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Casing Diameter</b><br>4 in. To 298 ft. 10.79 lbs./ft.                                                                                                                                                                                                                                                                                                                                                 |  |  |  | <b>Hole Diameter</b><br>6 in. To 298 ft. |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Open Hole</b><br>From 298 ft. To 320 ft.                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                          |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Screen?</b> <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                   |  |  |  | <b>Type</b><br><b>Make</b>               |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Static Water Level</b><br>101 ft. land surface Measure 09/24/1990                                                                                                                                                                                                                                                                                                                                      |  |  |  |                                          |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Pumping Level (below land surface)</b><br>110 ft. 4 hrs. Pumping at 10 g.p.m.                                                                                                                                                                                                                                                                                                                          |  |  |  |                                          |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Wellhead Completion</b><br>Pitless adapter manufacturer MAASS Model<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 3.5 Cubic yards ft. 298 ft.                                                                                                                                                                               |  |  |  |                                          |  |  |  |                                          |  |  |  |
| <b>Remarks</b>                                                                                                                                                                                                                            |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Nearest Known Source of Contamination</b><br>100 feet East Direction Septic tank/drain field 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 10/05/1990<br>Manufacturer's name FAIRBANKS<br>Model Number 100-15 HP 1 Volt 220<br>Length of drop pipe 144 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 type="checkbox"/> No                                                                                                                                                                                                                                                                            |  |  |  |                                          |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Miscellaneous</b><br>First Bedrock Tunnel City/Lone Rock Fm Aquifer Tunnel City/Lone<br>Last Strat Tunnel City/Lone Rock Fm Depth to Bedrock 277 ft<br>Located by Minnesota Geological Survey<br>Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or<br>System UTM - NAD83, Zone 15, Meters X 517794 Y 4946603<br>Unique Number Verification Address verification Input Date 08/19/2005 |  |  |  |                                          |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                                          |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             | <b>Well Contractor</b><br>Maher Well Co. 19301 GALHER, J.<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                                                                                                                           |  |  |  |                                          |  |  |  |                                          |  |  |  |
|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             |                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                                          |  |  |  |                                          |  |  |  |
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|                                                                                                                                                                                                                                           |  |  |  |  |                                                                |                    |                 |                      |                             |                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                                          |  |  |  |                                          |  |  |  |