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County Cass  
Quad Hackensac  
Quad ID 254A

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

Entry Date 03/15/1993  
Update Date 02/11/2015  
Received Date

|                                                                                                                             |                                             |                    |                 |                      |                             |                                                                                                                                                                                                                                                                                                                                      |                                  |                                          |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------|-----------------|----------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------|
| <b>Well Name</b><br>DEWOLF,                                                                                                 | <b>Township</b><br>140                      | <b>Range</b><br>31 | <b>Dir</b><br>W | <b>Section</b><br>15 | <b>Subsection</b><br>BBCBCB | <b>Well Depth</b><br>54 ft.                                                                                                                                                                                                                                                                                                          | <b>Depth Completed</b><br>54 ft. | <b>Date Well Completed</b><br>11/03/1992 |
| <b>Elevation</b><br>1388.9                                                                                                  | <b>Elev. Method</b><br>LiDAR 1m DEM (MNDNR) |                    |                 |                      |                             | <b>Drill Method</b><br>Jetted                                                                                                                                                                                                                                                                                                        | <b>Drill Fluid</b>               |                                          |
| <b>Address</b><br><br>Well HC 75 BOX 432 MN<br>Contact 120 PARK B243 ST REINBECK IA 50669                                   |                                             |                    |                 |                      |                             | <b>Use</b><br>domestic                                                                                                                                                                                                                                                                                                               | <b>Status</b><br>Active          |                                          |
| <b>Stratigraphy Information</b><br>Geological Material From To (ft.) Color Hardness<br>UNKNOWN 0 30<br>SAND 30 54 GRAY SOFT |                                             |                    |                 |                      |                             | <b>Well Hydrofractured?</b><br><b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>From</b> <b>To</b>                                                                                                                                                                                                          |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Casing Type</b><br>Single casing <b>Joint</b>                                                                                                                                                                                                                                                                                     |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Drive Shoe?</b> <b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Above/Below</b>                                                                                                                                                                                                                         |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Casing Diameter</b> <b>Weight</b> <b>Hole Diameter</b><br>2 in. To 50 ft. 3.75 lbs./ft. 2 in. To 54 ft.                                                                                                                                                                                                                           |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Open Hole</b> From ft. To ft.                                                                                                                                                                                                                                                                                                     |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Screen?</b> <input checked="" type="checkbox"/> <b>Type</b> stainless <b>Make</b> JOHNSON<br>Diameter Slot/Gauze Length Set<br>1.3 in. 7 4 ft. 50 ft. 54 ft.                                                                                                                                                                      |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Static Water Level</b><br>9 ft. land surface Measure 11/03/1992                                                                                                                                                                                                                                                                   |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Pumping Level (below land surface)</b>                                                                                                                                                                                                                                                                                            |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Wellhead Completion</b><br>Pitless adapter manufacturer Model<br><input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade<br><input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)                                                                                               |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Grouting Information</b> Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Specified                                                                                                                                                                                 |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Nearest Known Source of Contamination</b><br>30 feet Southwest Direction Septic tank/drain field Type<br>Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                               |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Pump</b> <input type="checkbox"/> Not Installed Date Installed<br>Manufacturer's name<br>Model Number HP Volt<br>Length of drop pipe ft Capacity g.p. Typ                                                                                                                                                                         |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Abandoned</b><br>Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input 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 Aquifer Quaternary<br>Last Strat sand-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 378531 Y 5200577<br>Unique Number Verification Address verification Input Date 02/04/2015 |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Angled Drill Hole</b>                                                                                                                                                                                                                                                                                                             |                                  |                                          |
|                                                                                                                             |                                             |                    |                 |                      |                             | <b>Well Contractor</b><br>Freeman Well Co. 11064 FREEMAN, R.<br>Licensee Business Lic. or Reg. No. Name of Driller                                                                                                                                                                                                                   |                                  |                                          |

Remarks  
DRILLED EXSISTING WELL FROM 30 TO 54 FEET