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County Goodhue
Quad Mazeppa
Quad ID 69D

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

Entry Date 11/12/1995
Update Date 02/14/2014
Received Date

Well Name HINIRICHS,	Township 109	Range 15	Dir Section W 2	Subsection DDCACA	Well Depth 340 ft.	Depth Completed 340 ft.	Date Well Completed 01/15/1993
Elevation 1102	Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary	Drill Fluid Foam
Address C/W 22847 HWY 60 BL MAZEPPA MN 55956					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness CLAY 0 27 BROWN SOFT LIMESTONE 27 245 BROWN HARD LIMESTONE 245 281 GRAY HARD SANDSTONE 281 340 GRAY MEDIUM					Well Hydrofractured? Yes ☐ No ☐ From To		
					Casing Type Step down Joint Welded		
					Drive Shoe? Yes ☒ No ☐ Above/Below 0 ft.		
					Casing Diameter Weight Hole Diameter		
					4 in. To 323 ft. lbs./ft. 12 in. To 27 ft.		
					8 in. To 27 ft. lbs./ft. 8 in. To 323 ft.		
					4 in. To 340 ft.		
					Open Hole From 323 ft. To 340 ft.		
					Screen? ☐ Type Make		
					Static Water Level 145 ft. land surface Measure 12/15/1992		
Pumping Level (below land surface)							
Wellhead Completion Pitless adapter manufacturer MAASE Model ☐ Casing Protection ☐ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)							
Grouting Information Well Grouted? ☒ Yes ☐ No ☐ Not Specified Material Amount From To neat cement 6 Cubic yards 0 ft. 323 ft.							
Nearest Known Source of Contamination 100 feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☐ Yes ☐ No							
Pump ☐ Not Installed Date Installed <u>12/15/1992</u> Manufacturer's name JACUZZI Model Number <u>JBS41011-</u> HP <u>0.75</u> Volt <u>230</u> Length of drop pipe <u>189</u> ft Capacity <u>10</u> g.p. Typ <u>Submersible</u>							
Abandoned Does property have any not in use and not sealed well(s)? ☐ Yes ☐ No							
Variance Was a variance granted from the MDH for this well? ☐ Yes ☐ No							
Miscellaneous First Bedrock <u>Prairie Du Chien Group</u> Aquifer <u>Jordan</u> Last Strat <u>Jordan Sandstone</u> Depth to Bedrock <u>27</u> ft Located by <u>Minnesota Geological Survey</u> Locate Method <u>Digitized - scale 1:24,000 or larger (Digitizing Table)</u> System <u>UTM - NAD83, Zone 15, Meters</u> X <u>533992</u> Y <u>4901766</u> Unique Number Verification Address verification Input Date <u>05/28/1996</u>							
Angled Drill Hole							
Well Contractor <u>Carlson Well Drill</u> <u>19649</u> <u>GAHLER, J.</u> Licensee Business Lic. or Reg. No. Name of Driller							