

579631

County Dakota
Quad Hastings
Quad ID 87A

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

Entry Date 06/21/1999
Update Date 10/26/2005
Received Date 05/07/1999

Well Name TVERBERG, Elevation 823 ft. Elev. Method 7.5 minute topographic map (+/- 5 feet)					Well Depth 240 ft. Drill Method Non-specified Rotary					Depth Completed 240 ft. Drill Fluid Bentonite					Date Well Completed 09/01/1998																																		
Address C/W 17525 ORLANDO AV HASTINGS MN 55033										Use domestic					Status Active																																		
Stratigraphy Information <table><thead><tr><th>Geological Material</th><th>From</th><th>To (ft.)</th><th>Color</th><th>Hardness</th></tr></thead><tbody><tr><td>TOP SOIL</td><td>0</td><td>5</td><td></td><td></td></tr><tr><td>SAND/GRAVEL</td><td>5</td><td>50</td><td></td><td></td></tr><tr><td>COARSE GRAVEL</td><td>50</td><td>60</td><td></td><td></td></tr><tr><td>LIMEROCK</td><td>60</td><td>170</td><td></td><td></td></tr><tr><td>SANDROCK</td><td>170</td><td>240</td><td></td><td></td></tr></tbody></table>										Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	5			SAND/GRAVEL	5	50			COARSE GRAVEL	50	60			LIMEROCK	60	170			SANDROCK	170	240			Well Hydrofractured? Yes ☐ No ☐					From To				
										Geological Material	From	To (ft.)	Color	Hardness																																			
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										Casing Type Single casing					Joint																																		
										Drive Shoe? Yes ☒ No ☐					Above/Below																																		
										Casing Diameter 4 in. To 220 ft. 10.79 lbs./ft.					Hole Diameter 12 in. To 60 ft. 8 in. To 220 ft. 4 in. To 240 ft.																																		
Open Hole From 220 ft. To 240 ft.																																																	
Screen? ☐ Type Make																																																	
Static Water Level 97 ft. land surface Measure 06/03/1998																																																	
Pumping Level (below land surface)																																																	
Wellhead Completion Pitless adapter manufacturer MAASS Model 431 ☐ 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 4 Cubic yards 0 ft. 220 ft.																																																	
Nearest Known Source of Contamination 200 feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No																																																	
Pump ☐ Not Installed Date Installed <u>06/03/1998</u> Manufacturer's name RED JACKET Model Number <u>150CNS1</u> HP <u>1.5</u> Volt <u>230</u> Length of drop pipe <u>147</u> ft Capacity <u>18</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>60</u> ft Located by <u>Minnesota Geological Survey</u> Locate Method <u>Digitization (Screen) - Map (1:24,000) (15 meters or</u> System <u>UTM - NAD83, Zone 15, Meters</u> X <u>516341</u> Y <u>4949018</u> Unique Number Verification Address verification Input Date <u>08/25/2005</u>																																																	
Angled Drill Hole																																																	
Well Contractor <u>Carlson Well Maher,t</u> <u>19302</u> <u>MOELLER, P.</u> Licensee Business Lic. or Reg. No. Name of Driller																																																	
Remarks																																																	