

579627

County Dakota
Quad Hastings
Quad ID 87A

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

Entry Date 08/10/1998
Update Date 08/18/2014
Received Date 11/14/1997

Well Name ENGSTROM,					Township 114	Range 17	Dir W	Section 11	Subsection BAABCD	Well Depth 350 ft.				Depth Completed 350 ft.				Date Well Completed 08/13/1997									
Elevation 825 ft.					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary				Drill Fluid Bentonite													
Address C/W 17162 RED WING BL HASTINGS MN 55033										Use domestic										Status Active							
Stratigraphy Information Geological Material From To (ft.) Color Hardness SAND 0 80 BROWN SOFT SAND/GRAVEL 80 195 BROWN SOFT SANDY CLAY 195 240 RED MEDIUM COARSE GRAVEL 240 322 BROWN MEDIUM SANDSTONE 322 350 GRY/GRN MEDIUM										Well Hydrofractured? Yes ☐ No ☐										From To							
										Casing Type Single casing										Joint Welded							
										Drive Shoe? Yes ☒ No ☐										Above/Below							
										Casing Diameter 4 in. To 325 ft.										Weight 10.79 lbs./ft.				Hole Diameter 6.2 in. To 325 ft.			
																								4 in. To 350 ft.			
										Open Hole From 225 ft. To 350 ft.																	
										Screen? ☐										Type				Make			
										Static Water Level 96 ft. land surface										Measure				08/11/1997			
										Pumping Level (below land surface)																	
Wellhead Completion Pitless adapter manufacturer MAASS Model 4J1 ☐ 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																											
bentonite 3 Sacks 0 ft. 30 ft.																											
bentonite 10 Sacks 30 ft. 325 ft.																											
Nearest Known Source of Contamination 125 feet East Direction Septic tank/drain field Type																											
Well disinfected upon completion? ☒ Yes ☐ No																											
Pump ☐ Not Installed Date Installed 08/11/1997																											
Manufacturer's name RED JACKET																											
Model Number 150CNS1 HP 1.5 Volt 230																											
Length of drop pipe 189 ft Capacity 18 g.p. Typ Submersible																											
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 St.Lawrence-Tunnel City Aquifer St.Lawrence- Last Strat St.Lawrence-Tunnel City Depth to Bedrock 322 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 513882 Y 4949817 Unique Number Verification Address verification Input Date 08/25/2005																											
Angled Drill Hole																											
Well Contractor Carlson Well Maher,t 19302 MAHER, T. Licensee Business Lic. or Reg. No. Name of Driller																											

Minnesota Well Index Report

579627

Printed on 08/13/2026
HE-01205-15