

450197

County St. Louis
Quad
Quad ID

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

Entry Date11/27/1990
Update Date01/17/2018
Received Date

Well Name MARTIN, TIM	Township 62	Range 21	Dir W	Section 36	Subsection null	Well Depth 154 ft.	Depth Completed 154 ft.	Date Well Completed 11/09/1988																																													
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid Revert																																														
Address						Use domestic	Status Active																																														
Contact SIDE LAKE MN 55781						Well Hydrofractured? Yes ☐ No ☐ From To																																															
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>CLAY</td><td>0</td><td>10</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>10</td><td>36</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>GRAVEL</td><td>36</td><td>42</td><td>BROWN</td><td>SOFT</td></tr><tr><td>FINE SAND</td><td>42</td><td>100</td><td>BROWN</td><td>SOFT</td></tr><tr><td>FINE SAND</td><td>100</td><td>133</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>GRAVEL</td><td>133</td><td>136</td><td>BLACK</td><td>MEDIUM</td></tr><tr><td>FINE SILT</td><td>136</td><td>143</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>GRAVEL/SLATE</td><td>143</td><td>154</td><td>BLACK</td><td>HARD</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	10	BROWN	MEDIUM	SAND	10	36	BROWN	MEDIUM	GRAVEL	36	42	BROWN	SOFT	FINE SAND	42	100	BROWN	SOFT	FINE SAND	100	133	GRAY	MEDIUM	GRAVEL	133	136	BLACK	MEDIUM	FINE SILT	136	143	BROWN	MEDIUM	GRAVEL/SLATE	143	154	BLACK	HARD	Casing Type Single casing Joint		
						Geological Material	From	To (ft.)	Color	Hardness																																											
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						GRAVEL/SLATE	143	154	BLACK	HARD																																											
Drive Shoe? Yes ☐ No ☐ Above/Below 1 ft.																																																					
Casing Diameter Weight Hole Diameter																																																					
6 in. To 148 ft. lbs./ft. 8.7 in. To 152 ft.																																																					
Open Hole From ft. To ft.																																																					
Screen? ☒ Type stainless Make JOHNSON																																																					
Diameter Slot/Gauze Length Set																																																					
2 in. 155 4 ft. 148 ft. 152 ft.																																																					
Static Water Level																																																					
30 ft. land surface Measure 11/09/1988																																																					
Pumping Level (below land surface)																																																					
150 ft. 2 hrs. Pumping at 25 g.p.m.																																																					
Wellhead Completion																																																					
Pitless adapter manufacturer 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 ft. ft.																																																					
Nearest Known Source of Contamination																																																					
60 feet North Direction Type																																																					
Well disinfected upon completion? ☒ Yes ☐ No																																																					
Pump ☐ Not Installed Date Installed																																																					
Manufacturer's name																																																					
Model Number HP Volt																																																					
Length of drop pipe ft Capacity g.p. Typ																																																					
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 Aquifer																																																					
Last Strat Depth to Bedrock ft																																																					
Located by																																																					
Locate Method																																																					
System UTM - NAD83, Zone 15, Meters X Y																																																					
Unique Number Verification Input Date																																																					
Angled Drill Hole																																																					
Well Contractor																																																					
Clearwater Well Co. 69587 HIIVALA, B.																																																					
Licensee Business Lic. or Reg. No. Name of Driller																																																					