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

Entry Date 11/11/2020
Update Date 11/12/2020
Received Date 10/28/2020

Well Name RADEMACHER,	Township 119	Range 46	Dir W	Section 3	Subsection ABA	Well Depth 178 ft.	Depth Completed 173 ft.	Date Well Completed 09/25/2020
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid Bentonite	
Address						Use domestic	Status Active	
Contact 1235 340TH ST BELLINGHAM MN 56212						Well Hydrofractured? Yes ☐ No ☒ From To		
Well 1239 340TH ST BELLINGHAM MN 56212						Casing Type Single casing Joint Welded		
Stratigraphy Information						Drive Shoe? Yes ☐ No ☒ Above/Below		
Geological Material		From	To (ft.)	Color	Hardness	Casing Diameter Weight Hole Diameter		
TOPSOIL		0	2	DARK	SOFT	4 in. To 163 ft. lbs./ft. 8 in. To 178 ft.		
CLAY		2	21	YELLOW	MEDIUM			
CLAY		21	31	BLUE	MEDIUM			
GRAVEL		31	33	GRAY	SOFT			
CLAY		33	87	BLUE	HARD			
SHALE		87	152	DARK	HARD			
SHALE		152	154	BROWN	MED-HRD			
SANDROCK		154	155	TAN	V.HARD			
CRYSTALS		155	175	WHITE	SOFT			
DECOMPOSED		175	178	RED	MEDIUM			
						Open Hole From ft. To ft.		
						Screen? ☒ Type slotted pipe Make TIMCO		
						Diameter Slot/Gauze Length Set		
						4 in. 20 10 ft. 163 ft. 173 ft.		
						Static Water Level		
						51 ft. land surface Measure 09/25/2020		
						Pumping Level (below land surface)		
						100 ft. 3 hrs. Pumping at 100 g.p.m.		
						Wellhead Completion		
						Pitless adapter manufacturer MONITOR/BULL Model 4X1		
						☐ 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		
						pearock 158 ft. 173 ft.		
						high solids bentonite 15 Sacks ft. 158 ft.		
						Nearest Known Source of Contamination		
						104 feet East Direction Sewer 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 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 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		
						Lee Well Drilling, Inc. 2108 LEE, D.		
						Licensee Business Lic. or Reg. No. Name of Driller		