

176904

County St. Louis
Quad
Quad ID

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

Entry Date 02/22/1988
Update Date 02/20/2018
Received Date

Well Name ENGSTROM,	Township 50	Range 16	Dir Section W 34	Subsection DD	Well Depth 159 ft.	Depth Completed 159 ft.	Date Well Completed 12/28/1980
Elevation	Elev. Method				Drill Method Non-specified Rotary	Drill Fluid	
Address					Use domestic	Status Active	
Contact 3539 SOLWAY RD DULUTH MN					Well Hydrofractured? Yes ☐ No ☐ From To		
Stratigraphy Information					Casing Type Single casing	Joint Threaded	
Geological Material					Drive Shoe? Yes ☒ No ☐	Above/Below 1 ft.	
CLAY					Casing Diameter 6 in. To 155 ft. 19 lbs./ft.		
SAND					Hole Diameter 8.7 in. To 159 ft.		
					Open Hole From ft. To ft.		
					Screen? ☒	Type stainless	Make SMITH
					Diameter 2 in.	Slot/Gauze 12	Length 5 ft.
					Set 155 ft. 159 ft.		
					Static Water Level 50 ft. land surface Measure 12/28/1980		
					Pumping Level (below land surface) 116 ft. 2 hrs. Pumping at 10 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 bentonite 0 ft. 150 ft.		
					Nearest Known Source of Contamination feet 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 Lind Well Co. 93493 HOLLY, K. Licensee Business Lic. or Reg. No. Name of Driller		