

807027

County St. Louis
Quad Duluth
Quad ID 244D

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

Entry Date 07/13/2016
Update Date 12/05/2019
Received Date 07/05/2016

Well Name PETERSON,					Township 50	Range 14	Dir Section W 28	Subsection DCBABC	Well Depth 320 ft.				Depth Completed 320 ft.				Date Well Completed 04/12/2016			
Elevation 1111					Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary				Drill Fluid Water						
Address									Use domestic				Status Active							
Contact 6520 FREDENBURG LAKE RD DULUTH MN 55803									Well Hydrofractured? Yes ☒ No ☐				From 80 ft. To 320 ft.							
Well 732 N 11TH AV W DULUTH MN 55806									Casing Type Single casing				Joint Threaded							
Stratigraphy Information									Drive Shoe? Yes ☒ No ☐				Above/Below							
Geological Material		From	To (ft.)	Color	Hardness	Casing Diameter				Weight				Hole Diameter						
TOP SOIL		0	1	BROWN		6 in. To 21 ft. 18.97 lbs./ft.				6 in. To 320 ft.										
CLAY WITH GRAVEL		1	19	RED																
GABBRO		19	320	GRAY																
Open Hole									From 20 ft.		To 320 ft.									
Screen? ☐									Type				Make							
Static Water Level									8 ft.		land surface		Measure		04/12/2016					
Pumping Level (below land surface)									320 ft.		1 hrs.		Pumping at		5 g.p.m.					
Wellhead Completion									Pitless adapter manufacturer MAASS Model 6J1											
									☐ 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						ft. 20 ft.										
Nearest Known Source of Contamination									50 feet		South Direction		Sewer Type							
Well disinfected upon completion?									☒ Yes ☐ No											
Pump ☐ Not Installed									Date Installed		04/27/2016									
Manufacturer's name STA-RITE																				
Model Number				S10P4HS10		HP 1		Volt 230												
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 Mid.Prot.intrusions und. Aquifer Middle											
Last Strat				Mid. Proterozoic rocks				Depth to Bedrock		19 ft										
Located by Minnesota Geological Survey																				
Locate Method Digitization (Screen) - Map (1:12,000) (>15 meters)																				
System				UTM - NAD83, Zone 15, Meters				X 567148		Y 5181304										
Unique Number Verification				Address verification				Input Date		07/18/2016										
Angled Drill Hole																				
Well Contractor									Ojard Well Drilling, Inc. 2133 OJARD, J.											
Licensee Business				Lic. or Reg. No.				Name of Driller												
Remarks																				
Minnesota Well Index Report					807027					Printed on 08/13/2026 HE-01205-15										