

400343

County St. Louis
Quad
Quad ID

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

Entry Date 10/31/1990
Update Date 04/19/2018
Received Date

Well Name RANDALL	Township null	Range null	Dir nul	Section null	Subsection null	Well Depth 235 ft.	Depth Completed 235 ft.	Date Well Completed 06/08/1986				
Elevation	Elev. Method					Drill Method Air Rotary	Drill Fluid					
Address Well CLOQUET RD N DULUTH MN						Use domestic	Status Active					
						Well Hydrofractured? Yes ☐ No ☐			From To			
						Casing Type Single casing			Joint Welded			
Stratigraphy Information Geological Material From To (ft.) Color Hardness TOP SOIL 0 1 BLACK SOFT BOULDERS & CLAY 1 14 RED HARD GRANITE 14 215 GRAY HARD CRACKED GRANITE 215 235 GRAY HARD						Drive Shoe? Yes ☒ No ☐	Above/Below 2 ft.					
						Casing Diameter 6 in. To 14 ft.			Weight 18.97 lbs./ft.		Hole Diameter 6 in. To 235 ft.	
						Open Hole From 14 ft. To 235 ft.						
						Screen? ☐ Type Make						
						Static Water Level 6 ft. land surface Measure 06/08/1986						
						Pumping Level (below land surface) ft. hrs. Pumping at 1 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						
						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 Graves Well Co. 69090 KILPELA, P. Licensee Business Lic. or Reg. No. Name of Driller												