

165391

County St. Louis
Quad Knife River
Quad ID 243A

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

Entry Date 01/14/2020
Update Date 01/14/2020
Received Date

Well Name BOERBOOM,	Township 51	Range 12	Dir Section W 4	Subsection DBDBDD	Well Depth 205 ft.	Depth Completed 205 ft.	Date Well Completed 10/12/1979
Elevation 778 ft.	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Air Rotary	Drill Fluid
Address Well 1754 OLD NORTH SHORE RD DULUTH MN					Use domestic	Status Active	
					Well Hydrofractured? Yes ☐ No ☐	From	To
Stratigraphy Information					Casing Type Single casing	Joint	
					Drive Shoe? Yes ☒ No ☐	Above/Below	1 ft.
Geological Material CLAY LEDGE					From 0 58	To (ft.) 58 205	Color RED RED/BRN
					Hardness SOFT		
					Casing Diameter 6 in.	Weight To 60 ft. 19.45 lbs./ft.	
					Open Hole From 60 ft.	To 205 ft.	
					Screen? ☐	Type	Make
					Static Water Level		
					Pumping Level (below land surface) ft. 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 well grouted, type unknown ft. 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 upper southwest volc Aquifer upper southwest Last Strat upper southwest volc Depth to Bedrock 58 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 586471 Y 5197845 Unique Number Verification Information from Input Date 01/14/2020		
					Angled Drill Hole		
					Well Contractor Rasmussen Well Co. 38019 MADISON, J. Licensee Business Lic. or Reg. No. Name of Driller		