

189121

County St. Louis
Quad Saginaw
Quad ID 245C

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

Entry Date 02/22/1988
Update Date 03/25/2021
Received Date

Well Name HOFFMAN,					Township 50	Range 16	Dir W	Section 9	Subsection CDDDBA	Well Depth 92 ft.				Depth Completed 92 ft.				Date Well Completed 03/11/1983			
Elevation 1397					Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Air Rotary				Drill Fluid							
Address										Use domestic				Status Active							
Contact 422 7TH ST E DULUTH MN										Well Hydrofractured? Yes ☐ No ☐				From To							
Well ARROWHEAD RD DULUTH MN										Casing Type Single casing				Joint Welded							
Stratigraphy Information										Drive Shoe? Yes ☒ No ☐				Above/Below 2 ft.							
Geological Material					From		To (ft.)		Color		Hardness		Casing Diameter 6 in. To 92 ft. 18.97 lbs./ft.				Hole Diameter 6 in. To 92 ft.				
DIRT & BOULDERS					0		15		BLACK		MEDIUM										
HARDPAN					15		86		BROWN		MEDIUM										
GRAVEL & AQUIFER					86		92		BLACK		MEDIUM										
										Open Hole From 92 ft. To 92 ft.											
										Screen? ☐				Type Make							
										Static Water Level 38 ft. land surface Measure 03/11/1983											
										Pumping Level (below land surface) ft. hrs. Pumping at 5 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 Quat. buried Last Strat gravel (+larger)-black Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 547576 Y 5185733 Unique Number Verification Tax Records Input Date 09/06/2019											
										Angled Drill Hole											
										Well Contractor Graves Well Co. 69090 KUPELA, P. Licensee Business Lic. or Reg. No. Name of Driller											
Remarks DRILLING METHOD; AIR/ROTARY.																					