

718649

County St. Louis
Quad Adolph
Quad ID 245D

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

Entry Date
Update Date 07/11/2017
Received Date 02/01/2005

Well Name SWANSON,	Township 50	Range 16	Dir Section W 11	Subsection BBCBDB	Well Depth 125 ft.	Depth Completed 125 ft.	Date Well Completed 12/15/2004
Elevation 1448	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid
Address Well 6322 ROSE RD DULUTH MN 55810					Use domestic Status Active		
Stratigraphy Information Geological Material From To (ft.) Color Hardness CLAY 0 24 RED MEDIUM SAND 24 110 BROWN SOFT GRAVEL 110 125 BROWN SOFT					Well Hydrofractured? Yes ☐ No ☒ From To		
					Casing Type Single casing Joint Welded		
					Drive Shoe? Yes ☒ No ☐ Above/Below		
					Casing Diameter Weight Hole Diameter 6 in. To 125 ft. 18.97 lbs./ft. 6 in. To 125 ft.		
					Open Hole From 125 ft. To 125 ft.		
					Screen? ☐ Type Make		
					Static Water Level 40 ft. land surface Measure 12/15/2004		
					Pumping Level (below land surface) 100 ft. 4 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 high solids bentonite 4 Sacks ft. 18 ft.		
					Nearest Known Source of Contamination 140 feet West Direction Sewer 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		
Remarks					Miscellaneous First Bedrock Aquifer Quat. buried Last Strat gravel (+larger)-brown Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 550116 Y 5186926 Unique Number Verification Address verification Input Date 07/05/2017		
					Angled Drill Hole		
					Well Contractor Davidson R. Well Co. 57032 GRAVES, T. Licensee Business Lic. or Reg. No. Name of Driller		