

277584

County St. Louis
Quad West
Quad ID 223B

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

Entry Date 04/27/2016
Update Date 12/05/2019
Received Date

Well Name CARLSON, ANN	Township 49	Range 15	Dir Section W 16	Subsection DDBBCC	Well Depth 24 ft.	Depth Completed 24 ft.	Date Well Completed 08/03/1996
Elevation 1265	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Dug	Drill Fluid
Address Well 5339 OLD 61 HY DULUTH MN 55810					Use domestic	Status Sealed	
Stratigraphy Information Geological Material From To (ft.) Color Hardness CLAY 0 9 RED MEDIUM CLAY 9 23 BROWN MEDIUM GRAVEL 23 24 BROWN MEDIUM GRANITE 24 24 GRAY HARD					Well Hydrofractured? Yes ☐ No ☐ From To		
					Casing Type Step down Joint Welded		
					Drive Shoe? Yes ☐ No ☒ Above/Below		
					Casing Diameter Weight		
					6 in. To 17 ft. lbs./ft.		
					24 in. To 24 ft. lbs./ft.		
					Open Hole From 24 ft. To 24 ft.		
					Screen? ☐ Type Make		
					Static Water Level		
					0 ft. land surface Measure 08/06/1996		
Pumping Level (below land surface)							
21 ft. 12 hrs. Pumping at 2 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 14 Sacks 10 ft. 17 ft.							
Nearest Known Source of Contamination							
120 feet North Direction Septic tank/drain field Type							
Well disinfected upon completion? ☒ Yes ☐ No							
Pump ☐ Not Installed Date Installed 08/03/1996							
Manufacturer's name STA-RITE							
Model Number HSPCO2 HP 0.5 Volt 115							
Length of drop pipe 11 ft Capacity 12 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 layered series @Duluth Aquifer Quat. buried							
Last Strat layered series @Duluth Depth to Bedrock 24 ft							
Located by Minnesota Geological Survey							
Locate Method Digitization (Screen) - Map (1:12,000) (>15 meters)							
System UTM - NAD83, Zone 15, Meters X 557841 Y 5174724							
Unique Number Verification Site Plan Input Date 04/27/2016							
Angled Drill Hole							
Well Contractor							
The Water Connection 69617 ANDERSON, G.							
Licensee Business Lic. or Reg. No. Name of Driller							

Remarks
THIS WELL ORIGINALLY DRILLED UNDER UNIQUE NO. 558583.