

144408

County St. Louis
Quad Arnold
Quad ID 244A

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

Entry Date 02/22/1988
Update Date 11/18/2019
Received Date

Well Name KRUMBIE,					Township 51	Range 14	Dir W	Section 26	Subsection AAAABC	Well Depth 62 ft.				Depth Completed 62 ft.				Date Well Completed 06/29/1979									
Elevation 1269					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Air Rotary								Drill Fluid									
Address Well 3714 TISCHER RD W DULUTH MN 55804										Use domestic										Status Active							
Stratigraphy Information Geological Material From To (ft.) Color Hardness CLAY & GRAVEL 0 39 RED/BRN MEDIUM LEDGE 39 62 WHT/BLU HARD										Well Hydrofractured? Yes ☐ No ☐										From To							
										Casing Type Single casing										Joint Welded							
										Drive Shoe? Yes ☐ No ☐										Above/Below 1.5 ft.							
										Casing Diameter 6 in. To 41 ft.										Weight 19.45 lbs./ft.				Hole Diameter 6 in. To 62 ft.			
										Open Hole From 41 ft. To 62 ft.																	
										Screen? ☐										Type Make							
										Static Water Level 15 ft. land surface Measure 06/29/1979																	
										Pumping Level (below land surface) 60 ft. 1 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																	
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 Duluth Cplx-anorth.series Aquifer Duluth Cplx- Last Strat Duluth Cplx-anorth.series Depth to Bedrock 39 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 570851 Y 5192224 Unique Number Verification Name on mailbox Input Date 09/24/2007																											
Angled Drill Hole																											
Well Contractor Northeast Drilling 69246 BUCHANAN, P. Licensee Business Lic. or Reg. No. Name of Driller																											
Remarks BLK 2 LOTS 6 & 7. THIS IS THE SAME AS UNIQUE NUMBER 140860.																											