

176902

County St. Louis
Quad Adolph
Quad ID 245D

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

Entry Date 02/22/1988
Update Date 11/13/2019
Received Date

Well Name POLO, DON	Township 51	Range 15	Dir Section W 29	Subsection CCCBDA	Well Depth 50 ft.	Depth Completed 50 ft.	Date Well Completed 08/09/1980
Elevation 1413	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid
Address Well 4920 MIDWAY RD DULUTH MN 55811					Use domestic Status Active		
					Well Hydrofractured? Yes ☐ No ☐ From To		
					Casing Type Single casing Joint Threaded		
					Drive Shoe? Yes ☒ No ☐ Above/Below 1 ft.		
Stratigraphy Information					Casing Diameter Weight Hole Diameter		
Geological Material		From	To (ft.)	Color	Hardness		
CLAY		0	29	RED	SOFT		
GRAVEL		29	44	RED	MEDIUM		
ROCK		44	50	GRAY	HARD		
					Open Hole From 44 ft. To 50 ft.		
					Screen? ☐ Type Make		
					Static Water Level		
5 ft.		land surface		Measure	08/09/1980		
					Pumping Level (below land surface)		
45 ft.		2 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		
bentonite					ft.	ft.	
					Nearest Known Source of Contamination		
102 feet		West Direction		Septic tank/drain field 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		layered series @Duluth		Aquifer	layered series		
Last Strat		layered series @Duluth		Depth to Bedrock	44	ft	
Located by Minnesota Geological Survey							
Locate Method		GPS SA Off (averaged) (15 meters)					
System		UTM - NAD83, Zone 15, Meters		X 554953	Y 5190620		
Unique Number Verification		Tax Records		Input Date	12/04/2017		
Angled Drill Hole							
Well Contractor							
Lind Well Co.		93493		HOLLY, K.			
Licensee Business		Lic. or Reg. No.		Name of Driller			