

864248

County Nicollet
Quad Courtland
Quad ID 76D

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

Entry Date 04/03/2023
Update Date 05/16/2023
Received Date 07/28/2022

Well Name GIESEKE, FRED					Township 110		Range 29		Dir Section W 2		Subsection CBBAAC		Well Depth 391 ft.			Depth Completed 391 ft.			Date Well Completed 07/04/2022																																																																																	
Elevation 1010					Elev. Method		Calc from NED (Natl.Elev.Dataset-30m)										Drill Method Non-specified Rotary			Drill Fluid Bentonite																																																																																
Address															Use domestic			Status Active																																																																																		
C/W 40555 511 AV NICOLLET MN 56074															Well Hydrofractured? Yes ☐ No ☒			From			To																																																																															
Stratigraphy Information															Casing Type			Joint																																																																																		
<table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SOIL</td><td>0</td><td>2</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY SANDY</td><td>2</td><td>31</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY SANDY</td><td>31</td><td>53</td><td>BLUE</td><td>SOFT</td></tr><tr><td>MUDDY SANDY</td><td>53</td><td>64</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY GRAVELY</td><td>64</td><td>127</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY SANDY</td><td>127</td><td>147</td><td>GRAY</td><td></td></tr><tr><td>MED FIEN SAND</td><td>147</td><td>183</td><td>GRAY</td><td></td></tr><tr><td>SAND AND CLAY</td><td>183</td><td>243</td><td>GRAY</td><td></td></tr><tr><td>V SANDY CLAY</td><td>243</td><td>257</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SHALE SANDY</td><td>257</td><td>296</td><td>GRY/WHT</td><td></td></tr><tr><td>SHALE SANDY</td><td>296</td><td>308</td><td>RED</td><td></td></tr><tr><td>SHALE</td><td>308</td><td>321</td><td>WHITE</td><td></td></tr><tr><td>SHALE</td><td>321</td><td>333</td><td>RED</td><td>MEDIUM</td></tr><tr><td>SST SHALE</td><td>333</td><td>369</td><td>WHITE</td><td>MEDIUM</td></tr><tr><td>SS CLEANER</td><td>369</td><td>391</td><td>WHITE</td><td></td></tr></table>															Geological Material	From	To (ft.)	Color	Hardness	SOIL	0	2	BLACK	SOFT	CLAY SANDY	2	31	YELLOW	SOFT	CLAY SANDY	31	53	BLUE	SOFT	MUDDY SANDY	53	64	GRAY	SOFT	CLAY GRAVELY	64	127	GRAY	SOFT	CLAY SANDY	127	147	GRAY		MED FIEN SAND	147	183	GRAY		SAND AND CLAY	183	243	GRAY		V SANDY CLAY	243	257	GRAY	SOFT	SHALE SANDY	257	296	GRY/WHT		SHALE SANDY	296	308	RED		SHALE	308	321	WHITE		SHALE	321	333	RED	MEDIUM	SST SHALE	333	369	WHITE	MEDIUM	SS CLEANER	369	391	WHITE		Drive Shoe? Yes ☐ No ☒			Above/Below		
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Open Hole															From		ft.		To		ft.																																																																															
Screen? ☒															Type steel (non-		Make CRESTLINE																																																																																			
Diameter		Slot/Gauze		Length		Set																																																																																														
5 in.		15		40 ft.		341 ft.		351 ft.																																																																																												

Static Water Level															
180 ft.		top of casing				Measure		null							

Pumping Level (below land surface)															
ft.		hrs.		Pumping at		50		g.p.m.							

Wellhead Completion														
Pitless adapter manufacturer					MAAS					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										
neat cement					2 Sacks					330		ft. 340		ft.								
bentonite					22 Sacks							ft. 330		ft.								

Nearest Known Source of Contamination																		
50		feet		East		Direction								Sewer Type				
Well disinfected upon completion?															☒ Yes		☐ No	

Pump ☐ Not Installed															Date Installed	
Manufacturer's name															SCHAEFER	
Model Number					HP		0.75		Volt							
Length of drop pipe					240		ft		Capacity		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					Aquifer									
Last Strat					Depth to Bedrock					ft				
Located by Minnesota Department of Health														
Locate Method GPS SA Off (averaged) (15 meters)														
System					UTM - NAD83, Zone 15, Meters					X 397281		Y 4912893		
Unique Number Verification					Info/GPS from data					Input Date		04/03/2023		

Angled Drill Hole														

Well Contractor														
Searles Well Drilling, Inc.					1493					KUCK, R				
Licensee Business					Lic. or Reg. No.					Name of Driller				