

627102

County Nicollet
Quad Courtland
Quad ID 76D

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

Entry Date 01/18/2001
Update Date 08/18/2014
Received Date

Well Name GAPPA					Township 110		Range 29		Dir Section W 11		Subsection DBDDCC		Well Depth 318 ft.			Depth Completed 318 ft.			Date Well Completed 08/08/2000																																																	
Elevation 997 ft.					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary						Drill Fluid																																																				
Address Well RR 2 NICOLLET MN 56074												Use domestic			Status Active																																																					
Stratigraphy Information												Well Hydrofractured? Yes ☐ No ☒ From To																																																								
<table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOP SOIL</td><td>0</td><td>2</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>2</td><td>18</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>18</td><td>150</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND (FINE)</td><td>150</td><td>156</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY</td><td>156</td><td>218</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>218</td><td>297</td><td>GRY/BRN</td><td>MEDIUM</td></tr><tr><td>SHALE</td><td>297</td><td>305</td><td>BROWN</td><td>M.HARD</td></tr><tr><td>SAND (SOFT</td><td>305</td><td>318</td><td>WHITE</td><td>SOFT</td></tr></table>												Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK	SOFT	CLAY	2	18	YELLOW	SOFT	CLAY	18	150	GRAY	MEDIUM	SAND (FINE)	150	156	GRAY	SOFT	CLAY	156	218	GRAY	MEDIUM	CLAY	218	297	GRY/BRN	MEDIUM	SHALE	297	305	BROWN	M.HARD	SAND (SOFT	305	318	WHITE	SOFT	Casing Type Single casing Joint						Drive Shoe? Yes ☐ No ☒ Above/Below					
Geological Material	From	To (ft.)	Color	Hardness																																																																
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												Casing Diameter 5 in. To			Weight 308 ft. lbs./ft.			Hole Diameter 8.7 in. To 318 ft.																																																		
												Open Hole From ft. To ft.																																																								
												Screen? ☒ Type stainless Make JOHNSON																																																								
												Diameter 4 in.			Slot/Gauze 12			Length 11 ft.			Set 308 ft.			318 ft.																																												
												Static Water Level 160 ft. land surface Measure 08/08/2000																																																								
												Pumping Level (below land surface) 195 ft. 2 hrs. Pumping at 75 g.p.m.																																																								
												Wellhead Completion Pitless adapter manufacturer BAKER Model 6PS56BS4C0 ☐ 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			3 Cubic yards			6 ft. 275 ft.																																																		
												neat cement			0.25 Cubic yards			275 ft. 306 ft.																																																		
												Nearest Known Source of Contamination 53 feet West Direction Septic tank/drain field Type Well disinfected upon completion? ☐ Yes ☐ No																																																								
												Pump ☐ Not Installed Date Installed 08/08/2000																																																								
												Manufacturer's name AERMOTOR																																																								
												Model Number A12B-75 HP 0.75 Volt 230																																																								
												Length of drop pipe 180 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 Phanerozoic undiff. Aquifer Wonewoc-Eau Last Strat Wonewoc-Eau Claire Depth to Bedrock 297 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 398226 Y 4910916 Unique Number Verification Tag on well Input Date 08/02/2004																																																								
												Angled Drill Hole																																																								
												Well Contractor Reimer Well Co. 72053 REIMER, E. Licensee Business Lic. or Reg. No. Name of Driller																																																								

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