

861499

County Renville
Quad Olivia SE
Quad ID 110D

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

Entry Date 04/03/2023
Update Date 01/26/2024
Received Date 08/14/2023

Well Name SCHLUESNER, Township 115 Range 33 Dir W Section 10 Subsection CADDAC					Well Depth 235 ft.		Depth Completed 235 ft.		Date Well Completed 12/01/2022																																																																												
Elevation 1099 Elev. Method Calc from NED (Natl.Elev.Dataset-30m)					Drill Method Non-specified Rotary		Drill Fluid Qwik gel																																																																														
Address C/W 82242 432ND ST HECTOR MN 55342					Use domestic				Status Active																																																																												
Stratigraphy Information <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>8</td><td>BLACK</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>8</td><td>12</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>12</td><td>22</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>22</td><td>120</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SANDY CLAY</td><td>120</td><td>124</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND</td><td>124</td><td>127</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SANDY CLAY</td><td>127</td><td>178</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY</td><td>178</td><td>190</td><td>VARIED</td><td>SOFT</td></tr><tr><td>CLAY</td><td>190</td><td>200</td><td>GRN/YEL</td><td>SOFT</td></tr><tr><td>CLAY</td><td>200</td><td>210</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>210</td><td>211</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>211</td><td>220</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>SAND</td><td>220</td><td>234</td><td>VARIED</td><td>MEDIUM</td></tr><tr><td>CLAY (FIRM)</td><td>234</td><td>235</td><td>GRAY</td><td></td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	8	BLACK	MEDIUM	CLAY	8	12	BROWN	MEDIUM	CLAY	12	22	YELLOW	SOFT	CLAY	22	120	GRAY	MEDIUM	SANDY CLAY	120	124	GRAY	SOFT	SAND	124	127	GRAY	SOFT	SANDY CLAY	127	178	GRAY	SOFT	CLAY	178	190	VARIED	SOFT	CLAY	190	200	GRN/YEL	SOFT	CLAY	200	210	YELLOW	MEDIUM	SAND	210	211	YELLOW	SOFT	CLAY	211	220	YELLOW	SOFT	SAND	220	234	VARIED	MEDIUM	CLAY (FIRM)	234	235	GRAY		Well Hydrofractured? Yes ☐ No ☒		From		To	
					Geological Material	From	To (ft.)	Color	Hardness																																																																												
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CLAY (FIRM)	234	235	GRAY																																																																																		
Casing Type Single casing		Joint																																																																																			
Drive Shoe? Yes ☐ No ☒		Above/Below																																																																																			
Casing Diameter 5 in.		Weight 224 ft.		Hole Diameter 8.7 in.		235 ft.																																																																															
Open Hole From ft.		To ft.																																																																																			
Screen? ☒		Type stainless		Make JOHNSON																																																																																	
Diameter 4 in.		Slot/Gauze 18		Length 10 ft.		Set 224 ft. 234 ft.																																																																															
Static Water Level 36.4 ft.		land surface		Measure		11/14/2022																																																																															
Pumping Level (below land surface) 42.8 ft.		0.6 hrs.		Pumping at 28		g.p.m.																																																																															
Wellhead Completion Pitless adapter manufacturer BAKER		Model BULLDOG																																																																																			
☐ Casing Protection		☐ 12 in. above grade																																																																																			
☐ At-grade (Environmental Wells and Borings ONLY)																																																																																					
Grouting Information Well Grouted? ☒ Yes ☐ No ☐ Not Specified		Material high solids bentonite		Amount		From To ft. 200 ft.																																																																															
Nearest Known Source of Contamination 55 feet		East Direction		Other Type																																																																																	
Well disinfected upon completion? ☒ Yes ☐ No																																																																																					
Pump ☐ Not Installed		Date Installed 11/09/2022																																																																																			
Manufacturer's name GRUNDFOS		Model Number 22SQE10-		HP 1		Volt 230																																																																															
Length of drop pipe 120 ft		Capacity 22		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 357328		Y 4959988																																																																																	
Unique Number Verification		Info/GPS from data		Input Date 04/03/2023																																																																																	
Angled Drill Hole																																																																																					
Well Contractor Ervin Well Co.		1383		ERVIN, D																																																																																	
Licensee Business		Lic. or Reg. No.		Name of Driller																																																																																	

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