

831499

County Sherburne
Quad
Quad ID

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

Entry Date
Update Date 04/15/2020
Received Date 01/04/2019

Well Name WESTGAARD,				Township 33	Range 26	Dir W	Section 11	Subsection CDB	Well Depth 278 ft.	Depth Completed 278 ft.	Date Well Completed 09/28/2018																																							
Elevation				Elev. Method				Drill Method Non-specified Rotary	Drill Fluid Other																																									
Address C/W 21375 BROOK RD ELK RIVER MN 55330									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>CLAY & ROCKS</td><td>0</td><td>35</td><td>BRN/GRY</td><td>SOFT</td></tr><tr><td>SAND & GRAVEL</td><td>35</td><td>44</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY & GRAVEL</td><td>44</td><td>70</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND & GRAVEL</td><td>70</td><td>96</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY & ROCKS</td><td>96</td><td>175</td><td>BROWN</td><td>SOFT</td></tr><tr><td>GRAVEL</td><td>175</td><td>184</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SANDSTONE & SHALE</td><td>184</td><td>278</td><td>VARIED</td><td>M.HARD</td></tr></table>									Geological Material	From	To (ft.)	Color	Hardness	CLAY & ROCKS	0	35	BRN/GRY	SOFT	SAND & GRAVEL	35	44	BROWN	SOFT	CLAY & GRAVEL	44	70	BROWN	MEDIUM	SAND & GRAVEL	70	96	BROWN	SOFT	CLAY & ROCKS	96	175	BROWN	SOFT	GRAVEL	175	184	BROWN	SOFT	SANDSTONE & SHALE	184	278	VARIED	M.HARD	Well Hydrofractured? Yes ☐ No ☒ From To	
									Geological Material	From	To (ft.)	Color	Hardness																																					
									CLAY & ROCKS	0	35	BRN/GRY	SOFT																																					
									SAND & GRAVEL	35	44	BROWN	SOFT																																					
									CLAY & GRAVEL	44	70	BROWN	MEDIUM																																					
									SAND & GRAVEL	70	96	BROWN	SOFT																																					
									CLAY & ROCKS	96	175	BROWN	SOFT																																					
									GRAVEL	175	184	BROWN	SOFT																																					
									SANDSTONE & SHALE	184	278	VARIED	M.HARD																																					
									Casing Type Single casing		Joint Threaded																																							
Drive Shoe? Yes ☒ No ☐		Above/Below																																																
Casing Diameter 4 in. To		Weight 231 ft. 4 lbs./ft.		Hole Diameter 8.7 in. To 229 ft.																																														
Open Hole From 229 ft. To 278 ft.		Screen? ☐		Type Make																																														
Static Water Level 44 ft. land surface Measure 09/28/2018																																																		
Pumping Level (below land surface) 70 ft. 4 hrs. Pumping at 60 g.p.m.																																																		
Wellhead Completion Pitless adapter manufacturer BAKER Model SNAPPY ☐ 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 50 Sacks ft. 229 ft.																																																		
Nearest Known Source of Contamination 100 feet North Direction Sewer Type Well disinfected upon completion? ☒ Yes ☐ No																																																		
Pump ☐ Not Installed Date Installed 10/01/2018 Manufacturer's name GRUNDFOS Model Number 22SQE15- HP 2.5 Volt 240 Length of drop pipe 80 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 Locate Method System UTM - NAD83, Zone 15, Meters X Y Unique Number Verification Input Date																																																		
Angled Drill Hole																																																		
Well Contractor EH Renner and Sons, Inc. 1431 RATHS, E. Licensee Business Lic. or Reg. No. Name of Driller																																																		