

828927

County Goodhue
Quad
Quad ID

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

Entry Date
Update Date 07/02/2021
Received Date 05/28/2020

Well Name THORESON,	Township 110	Range 16	Dir W	Section 21	Subsection CAB	Well Depth 290 ft.	Depth Completed 290 ft.	Date Well Completed 05/28/2020																																																	
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid Foam																																																		
Address C/W 14529 SHERWOOD TR ZUMBROTA MN 55992						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</td><td>0</td><td>12</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SHALE AND BROKEN</td><td>12</td><td>25</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SHALE</td><td>25</td><td>58</td><td>GREEN</td><td>MEDIUM</td></tr><tr><td>LIMESTONE</td><td>58</td><td>80</td><td>BROWN</td><td>HARD</td></tr><tr><td>SHALE</td><td>80</td><td>100</td><td>GREEN</td><td>MEDIUM</td></tr><tr><td>LIMESTONE</td><td>100</td><td>120</td><td>GRAY</td><td>HARD</td></tr><tr><td>SHALE</td><td>120</td><td>128</td><td>GREEN</td><td>MEDIUM</td></tr><tr><td>SANDSTONE</td><td>128</td><td>237</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>DOLOMITE</td><td>237</td><td>290</td><td>GRAY</td><td>HARD</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	12	BROWN	SOFT	SHALE AND BROKEN	12	25	BROWN	SOFT	SHALE	25	58	GREEN	MEDIUM	LIMESTONE	58	80	BROWN	HARD	SHALE	80	100	GREEN	MEDIUM	LIMESTONE	100	120	GRAY	HARD	SHALE	120	128	GREEN	MEDIUM	SANDSTONE	128	237	GRAY	MEDIUM	DOLOMITE	237	290	GRAY	HARD	Well Hydrofractured? Yes ☐ No ☒ From To	
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Casing Type Single casing		Joint Welded																																																							
Drive Shoe? Yes ☒ No ☐		Above/Below																																																							
Casing Diameter 4 in. To 261 ft. 10.79 lbs./ft.		Hole Diameter 8 in. To 261 ft. 4 in. To 290 ft.																																																							
Open Hole From 261 ft. To 290 ft.																																																									
Screen? ☐		Type Make																																																							
Static Water Level 154 ft. land surface		Measure 05/20/2020																																																							
Pumping Level (below land surface) ft. hrs. Pumping at		g.p.m.																																																							
Wellhead Completion Pitless adapter manufacturer MONITOR Model 4X6 ☐ Casing Protection ☐ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																																																									
Grouting Information Material Amount From To pearock 1.5 Cubic yards ft. 60 ft. neat cement 3.5 Cubic yards ft. 261 ft.		Well Grouted? ☒ Yes ☐ No ☐ Not Specified																																																							
Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No																																																									
Pump ☐ Not Installed Date Installed 05/20/2020 Manufacturer's name GRUNDFOS Model Number 15SQE10- HP 1 Volt 230 Length of drop pipe 180 ft Capacity 18 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 Last Strat Located by Locate Method System UTM - NAD83, Zone 15, Meters X Y Unique Number Verification Input Date		Aquifer Depth to Bedrock ft.																																																							
Angled Drill Hole																																																									
Well Contractor Rowland Well Co., Inc. 1928 ROWLAND, B Licensee Business Lic. or Reg. No. Name of Driller																																																									