

614302

County Clearwater
Quad
Quad ID

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

Entry Date01/11/2001

Update Date03/11/2005

Received Date

Well Name THULIN,	Township 149	Range 36	Dir W	Section 1	Subsection DDD	Well Depth 184 ft.	Depth Completed 184 ft.	Date Well Completed 10/21/1998																																													
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid Bentonite																																														
Address C/W836 ELM CREEK CI CHAMPLIN MN 55316						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>17</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>17</td><td>32</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>32</td><td>50</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY & SAND</td><td>50</td><td>90</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>CLAY & SAND</td><td>90</td><td>105</td><td>LT. BLU</td><td>MEDIUM</td></tr><tr><td>SILT & CLAY BALLS</td><td>105</td><td>127</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>CLAY & SAND</td><td>127</td><td>168</td><td>BLUE</td><td>M.HARD</td></tr><tr><td>SAND</td><td>168</td><td>184</td><td>GRAY</td><td>SOFT</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	17	BROWN	MEDIUM	CLAY	17	32	BLUE	MEDIUM	CLAY	32	50	BROWN	MEDIUM	CLAY & SAND	50	90	BLUE	MEDIUM	CLAY & SAND	90	105	LT. BLU	MEDIUM	SILT & CLAY BALLS	105	127	BLUE	MEDIUM	CLAY & SAND	127	168	BLUE	M.HARD	SAND	168	184	GRAY	SOFT	Well Hydrofractured? Yes ☐ No ☒	From	To
						Geological Material	From	To (ft.)	Color	Hardness																																											
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Casing Type Single casing		Joint																																																			
Drive Shoe? Yes ☒ No ☐		Above/Below																																																			
Casing Diameter 4 in. To		Weight 180 ft. lbs./ft.		Hole Diameter 8 in. To 30 ft. 7 in. To 184 ft.																																																	
Open Hole From		ft. To		ft.																																																	
Screen? ☒	Type stainless		Make COOK																																																		
Diameter 2 in.	Slot/Gauze 15	Length 4 ft.	Set 180 ft.	184 ft.																																																	
Static Water Level 45 ft. land surface						Measure	10/21/1998																																														
Pumping Level (below land surface) ft. hrs. Pumping at						90	g.p.m.																																														
Wellhead Completion Pitless adapter manufacturer						Model																																															
☐ Casing Protection						☒ 12 in. above grade																																															
☐ At-grade (Environmental Wells and Borings ONLY)																																																					
Grouting Information Material bentonite						Well Grouted? ☒ Yes ☐ No ☐ Not Specified	Amount From 0 ft.		To 30 ft.																																												
Nearest Known Source of Contamination 60 feet South Direction						Other Type																																															
Well disinfected upon completion?						☒ Yes ☐ No																																															
Pump ☒ Not Installed						Date Installed																																															
Manufacturer's name																																																					
Model Number						HP	Volt																																														
Length of drop pipe						ft	Capacity	g.p.	Typ																																												
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 Holm's Well Co.						15398		HOLM, D.																																													
Licensee Business						Lic. or Reg. No.		Name of Driller																																													