

594876

County Clay
Quad Hawley SE
Quad ID 261D

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

Entry Date 07/01/1998
Update Date 05/19/2014
Received Date

Well Name TANGEN,	Township 139	Range 45	Dir W	Section 22	Subsection AAABDD	Well Depth 135 ft.	Depth Completed 135 ft.	Date Well Completed 06/07/1997																																														
Elevation 1154	Elev. Method 7.5 minute topographic map (+/- 5 feet)	Drill Method Non-specified Rotary			Drill Fluid Bentonite																																																	
Address Well 2871 220TH ST S HAWLEY MN 56549						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></td></tr><tr><td>SILTY CLAY</td><td>2</td><td>7</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>7</td><td>24</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>24</td><td>32</td><td>GRAY</td><td></td></tr><tr><td>SAND</td><td>32</td><td>34</td><td>VARIED</td><td></td></tr><tr><td>CLAY</td><td>34</td><td>115</td><td>GRAY</td><td></td></tr><tr><td>SAND & GRAVEL</td><td>115</td><td>130</td><td>VARIED</td><td></td></tr><tr><td>SANDY CLAY</td><td>130</td><td>135</td><td>GRAY</td><td></td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK		SILTY CLAY	2	7	BROWN		CLAY	7	24	BROWN		CLAY	24	32	GRAY		SAND	32	34	VARIED		CLAY	34	115	GRAY		SAND & GRAVEL	115	130	VARIED		SANDY CLAY	130	135	GRAY		Casing Type Single casing			Joint Welded
Geological Material	From	To (ft.)	Color	Hardness																																																		
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SAND & GRAVEL	115	130	VARIED																																																			
SANDY CLAY	130	135	GRAY																																																			
Drive Shoe? Yes ☐ No ☒ Above/Below																																																						
Casing Diameter 4 in. To 123. ft.						Weight lbs./ft.	Hole Diameter 6.2 in. To 135 ft.																																															
Open Hole						From	ft.	To																																														
Screen? ☒ Type stainless						Make JOHNSON																																																
Diameter 4 in.						Slot/Gauze 12	Length 4 ft.	Set 123.5 ft.																																														
Static Water Level																																																						
36 ft. land surface						Measure	06/07/1997																																															
Pumping Level (below land surface)																																																						
36 ft. 1 hrs. Pumping at						180	g.p.m.																																															
Wellhead Completion																																																						
Pitless adapter manufacturer						MONITOR	Model 7PS45																																															
☐ Casing Protection						☐ 12 in. above grade																																																
☐ At-grade (Environmental Wells and Borings ONLY)																																																						
Grouting Information						Well Grouted? ☒ Yes ☐ No ☐ Not Specified																																																
Material neat cement						Amount 6 Sacks	From 10 ft.	To 30 ft.																																														
Nearest Known Source of Contamination																																																						
feet						Direction	Type																																															
Well disinfected upon completion?						☒ Yes ☐ No																																																
Pump ☐ Not Installed						Date Installed	06/07/1997																																															
Manufacturer's name						AERMOTOR																																																
Model Number 1205						HP 0.5	Volt 230																																															
Length of drop pipe 63 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						Aquifer	Quat.	buried																																														
Last Strat clay+sand-gray						Depth to Bedrock	ft																																															
Located by Minnesota Geological Survey																																																						
Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or																																																						
System UTM - NAD83, Zone 15, Meters						X 244947	Y 5193631																																															
Unique Number Verification						Tag on well	Input Date	03/18/2010																																														
Angled Drill Hole																																																						
Well Contractor																																																						
L.t.p. Enterprises, Inc.						91686	SALAZAR, B.																																															
Licensee Business						Lic. or Reg. No.	Name of Driller																																															