

515633

County Polk
Quad Mentor
Quad ID 334B

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

Entry Date 07/11/1995
Update Date 10/15/2024
Received Date 01/30/1995

Well Name SORENSEN, W.	Township 148	Range 44	Dir Section W 13	Subsection BACACC	Well Depth 112 ft.	Depth Completed 112 ft.	Date Well Completed 08/04/1994																																			
Elevation 1186	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid																																			
Address Well RR 1 BOX 288 MENTOR MN					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>15</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>15</td><td>35</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>35</td><td>62</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>62</td><td>96</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>GRAVEL CLAY</td><td>96</td><td>107</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>107</td><td>112</td><td>BROWN</td><td>SOFT</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	15	YELLOW	MEDIUM	CLAY	15	35	BROWN	MEDIUM	CLAY	35	62	BROWN	SOFT	CLAY	62	96	BROWN	MEDIUM	GRAVEL CLAY	96	107	BROWN	MEDIUM	SAND	107	112	BROWN	SOFT	Well Hydrofractured? Yes ☐ No ☐ From To		
					Geological Material	From	To (ft.)	Color	Hardness																																	
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					SAND	107	112	BROWN	SOFT																																	
					Casing Type Single casing ☐ Joint ☐																																					
					Drive Shoe? Yes ☐ No ☐ Above/Below																																					
Casing Diameter 4 in. To 108 ft. lbs./ft.																																										
Hole Diameter 9 in. To 30 ft. 7 in. To 112 ft.																																										
Open Hole From ft. To ft.																																										
Screen? ☒ Type stainless Make COOK																																										
Diameter Slot/Gauze Length Set																																										
2 in. 15 4 ft. 108 ft. 112 ft.																																										
Static Water Level 19 ft. land surface Measure 08/04/1994																																										
Pumping Level (below land surface) 90 ft. 2 hrs. Pumping at 6 g.p.m.																																										
Wellhead Completion Pitless adapter manufacturer MAASS Model 4JC1 ☐ 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 bentonite 5 Sacks 8 ft. 30 ft.																																										
Nearest Known Source of Contamination 48 feet Southwes Direction Septic tank/drain field Type Well disinfected upon completion? ☒ Yes ☐ No																																										
Pump ☐ Not Installed Date Installed 08/12/1994 Manufacturer's name AERMOTOR Model Number A12B50 HP 0.5 Volt 23 Length of drop pipe 95 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 sand-brown Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 258950 Y 5281377 Unique Number Verification Tax Records Input Date 02/04/2020																																										
Angled Drill Hole																																										
Well Contractor Brovold Wells 60638 BROUOLD, K. Licensee Business Lic. or Reg. No. Name of Driller																																										