

861751

County Itasca
Quad Warba
Quad ID 272A

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

Entry Date
Update Date 01/17/2025
Received Date 05/22/2023

Well Name MARHSALL,	Township 55	Range 23	Dir Section W 30	Subsection DBBCCD	Well Depth 68 ft.	Depth Completed 68 ft.	Date Well Completed 07/01/2021																																			
Elevation 1310	Elev. Method LiDAR 1m DEM (MNDNR)	Drill Method Non-specified Rotary				Drill Fluid Bentonite																																				
Address C/W 23378 10 CR BOVEY MN 55709					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>TOP SOIL</td><td>0</td><td>1</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY SAND</td><td>1</td><td>10</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND</td><td>10</td><td>28</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND</td><td>28</td><td>36</td><td>BLUE</td><td>SOFT</td></tr><tr><td>CLAY SAND</td><td>36</td><td>48</td><td>BLUE</td><td>SOFT</td></tr><tr><td>SAND</td><td>48</td><td>68</td><td>BLUE</td><td>SOFT</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	1	BLACK	SOFT	CLAY SAND	1	10	BROWN	SOFT	SAND	10	28	BROWN	SOFT	SAND	28	36	BLUE	SOFT	CLAY SAND	36	48	BLUE	SOFT	SAND	48	68	BLUE	SOFT	Well Hydrofractured? Yes ☐ No ☒ From To		
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					SAND	48	68	BLUE	SOFT																																	
					Casing Type Single casing			Joint Unknown																																		
					Drive Shoe? Yes ☐ No ☒ Above/Below																																					
Casing Diameter 4 in. To 64 ft.			Weight 2.25 lbs./ft.		Hole Diameter 8 in. To 68 ft.																																					
Open Hole <table><tr><td>From</td><td>ft.</td><td>To</td><td>ft.</td></tr><tr><td>Screen? ☒</td><td>Type stainless</td><td colspan="2">Make JOHNSON</td></tr><tr><td>Diameter</td><td>Slot/Gauze</td><td>Length</td><td>Set</td></tr><tr><td>4 in.</td><td>10</td><td>4 ft.</td><td>64 ft.</td></tr></table>							From	ft.	To	ft.	Screen? ☒	Type stainless	Make JOHNSON		Diameter	Slot/Gauze	Length	Set	4 in.	10	4 ft.	64 ft.																				
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4 in.	10	4 ft.	64 ft.																																							
Static Water Level 22 ft. land surface Measure 07/01/2021																																										
Pumping Level (below land surface) 63 ft. 2 hrs. Pumping at 20 g.p.m.																																										
Wellhead Completion Pitless adapter manufacturer AQUA SEAL Model T-SERIES ☐ 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 ft. 50 ft.																																										
Nearest Known Source of Contamination 75 feet North Direction Septic tank/drain field Type Well disinfected upon completion? ☒ Yes ☐ No																																										
Pump ☐ Not Installed Date Installed 07/02/2021 Manufacturer's name GOULDS Model Number 10CSO5- HP 0.5 Volt 115 Length of drop pipe 42 ft Capacity 10 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 Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 476530 Y 5229173 Unique Number Verification Tax Records Input Date 01/09/2025																																										
Angled Drill Hole																																										
Well Contractor Benes Well Drilling, Inc. 1542 BENES, B/D Licensee Business Lic. or Reg. No. Name of Driller																																										