

853633

County Itasca
Quad O'leary
Quad ID 322C

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

Entry Date 06/21/2023
Update Date 03/11/2026
Received Date 05/22/2023

Well Name LATVALA,	Township 58	Range 23	Dir W	Section 14	Subsection BACBCC	Well Depth 163 ft.	Depth Completed 163 ft.	Date Well Completed 06/24/2021
Elevation 1387	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid Bentonite	
Address						Use domestic	Status Active	
Contact 3905 CATHEDRAL BELL DR RALEIGH NC 27614						Well Hydrofractured? Yes ☐ No ☒ From To		
Well 18249 NORPINE TR NASHWAUK MN 55769						Casing Type Single casing Joint Unknown		
Stratigraphy Information						Drive Shoe? Yes ☐ No ☒ Above/Below		
Geological Material		From	To (ft.)	Color	Hardness	Casing Diameter Weight Hole Diameter		
TOP SOIL		0	1	BLACK	SOFT	4 in. To 155 ft. 2.25 lbs./ft. 8 in. To 163 ft.		
CLAY SAND		1	49	BROWN	HARD			
CLAY SAND		49	60	BLUE	SOFT			
CLAY SILT		60	122	BLUE	SOFT			
CLAY SAND		122	131	BROWN	SOFT			
CLAY		131	154	BLUE	SOFT			
GRAVEL		154	163	BLUE	SOFT			
Open Hole						From	ft.	To ft.
Screen? ☒						Type stainless	Make JOHNSON	
Diameter		Slot/Gauze	Length	Set				
4 in.		10	8 ft.	155 ft.	163 ft.			
Static Water Level								
49 ft.		land surface		Measure		06/24/2021		
Pumping Level (below land surface)								
150 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		7 Sacks		0	ft. 65	ft.		
Nearest Known Source of Contamination								
55 feet		East Direction		Other Type				
Well disinfected upon completion?						☒ Yes ☐ No		
Pump ☐ Not Installed						Date Installed	07/01/2021	
Manufacturer's name						STA-RITE		
Model Number		HP	0.5	Volt	115			
Length of drop pipe		80 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		Quat. buried				
Last Strat		gravel (+larger)-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 482532	Y 5262164			
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				