

774583

County Otter Tail
Quad Battle Lake
Quad ID 217C

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

Entry Date 10/03/2017
Update Date 10/19/2018
Received Date 01/29/2018

Well Name MUMM, PHIL					Township 132	Range 39	Dir W	Section 6	Subsection DCDCDB	Well Depth 82 ft.				Depth Completed 82 ft.				Date Well Completed 10/27/2017				
Elevation 1345					Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary				Drill Fluid Bentonite								
Address										Use domestic				Status Active								
Contact 18010 80TH ST SE WAHPETON ND 58075										Well Hydrofractured? Yes ☐ No ☒				From To								
Well 21033 CLITHERAL PARK LA CLITHERALL MN 56524										Casing Type Single casing				Joint								
Stratigraphy Information										Drive Shoe? Yes ☐ No ☒				Above/Below								
Geological Material					From	To (ft.)	Color	Hardness		Casing Diameter				Weight				Hole Diameter				
TOPSOIL					0	2	BLACK	SOFT		4 in. To 72 ft. 200 lbs./ft.				7.5 in. To 82 ft.								
YELLOW CLAY					2	15	YELLOW	SOFT														
CLAY					15	45	BROWN	SOFT														
CLAY					45	60	BROWN	MEDIUM														
CLAY					60	68	BROWN	MEDIUM														
SAND					68	82	GRAY	HARD														
Open Hole										From	ft.	To	ft.									
Screen? ☒										Type punched		Make EVERFLO										
Diameter					Slot/Gauze		Length		Set													
4 in.					30		10 ft.		72 ft.		82 ft.											
Static Water Level																						
6 ft.					land surface					Measure				11/10/2017								
Pumping Level (below land surface)																						
20 ft.					1 hrs.		Pumping at		10 g.p.m.													
Wellhead Completion																						
Pitless adapter manufacturer					MONITOR					Model		4X5 MECH.										
☐ 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					8 Sacks					ft. 62		ft.										
Nearest Known Source of Contamination																						
125 feet					Southwes Direction					Septic tank/drain field		Type										
Well disinfected upon completion?										☒ Yes ☐ No												
Pump ☐ Not Installed										Date Installed				11/10/2017								
Manufacturer's name										GOULDS												
Model Number					10CS05		HP		0.5		Volt		240									
Length of drop pipe					40 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					sand-gray					Depth to Bedrock		ft										
Located by										Minnesota Department of Health												
Locate Method										GPS SA Off (averaged) (15 meters)												
System					UTM - NAD83, Zone 15, Meters					X 297133		Y 5127215										
Unique Number Verification					Info/GPS from data					Input Date		09/26/2017										
Angled Drill Hole																						
Well Contractor																						
Wieber Well Drilling					2110					WIEBER, D.												
Licensee Business					Lic. or Reg. No.					Name of Driller												
Remarks																						
CASING SPECIFICATION-SDR 21																						