

687501

County Otter Tail
Quad Battle Lake
Quad ID 217C

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date 08/24/2004

Update Date 10/18/2018

Received Date 01/08/2004

Well Name NAPIWOSKI,					Township 132	Range 39	Dir W	Section 6	Subsection ACCABC	Well Depth 66 ft.		Depth Completed 66 ft.		Date Well Completed 10/20/2002																										
Elevation 1386.0					Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary		Drill Fluid Qwik gel																												
Address C/W BOX 35 CLITHERALL MN 56524										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>SAND</td><td>0</td><td>45</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>45</td><td>55</td><td>BROWN</td><td></td></tr><tr><td>CLAY</td><td>55</td><td>60</td><td>BLUE</td><td></td></tr><tr><td>SAND</td><td>60</td><td>66</td><td></td><td></td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	SAND	0	45	BROWN		CLAY	45	55	BROWN		CLAY	55	60	BLUE		SAND	60	66			Well Hydrofractured? Yes ☐ No ☐		From		To	
										Geological Material	From	To (ft.)	Color	Hardness																										
										SAND	0	45	BROWN																											
										CLAY	45	55	BROWN																											
										CLAY	55	60	BLUE																											
										SAND	60	66																												
										Casing Type Single casing		Joint																												
										Drive Shoe? Yes ☐ No ☐		Above/Below																												
										Casing Diameter 4 in. To		Weight ft.		lbs./ft.																										
										Open Hole From		ft.		To		ft.																								
Screen? ☒		Type stainless		Make JOHNSON																																				
Diameter 4 in.		Slot/Gauze 20		Length 5 ft.		Set ft.																																		
Static Water Level 49 ft. land surface Measure 10/20/2002										Pumping Level (below land surface) ft. hrs. Pumping at 7 g.p.m.																														
Wellhead Completion Pitless adapter manufacturer Model ☐ 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 ft. 35 ft.																														
Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No										Pump ☒ Not Installed Date Installed Manufacturer's name Model Number HP Volt Length of drop pipe ft Capacity g.p. Typ																														
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 Quaternary Last Strat sand Depth to Bedrock ft Located by Minnesota Department of Health Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 297044 Y 5128151 Unique Number Verification Information from Input Date 10/03/2008										Angled Drill Hole																														
Well Contractor Waskosky Well Co. 26130 TED C. Licensee Business Lic. or Reg. No. Name of Driller																																								