

830578

County Otter Tail
Quad Eagle Lake
Quad ID 199B

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

Entry Date 11/16/2018
Update Date 01/10/2019
Received Date 10/03/2018

Well Name DAVE &					Township 132		Range 40		Dir Section W 13		Subsection CADACA		Well Depth 85 ft.		Depth Completed 79 ft.		Date Well Completed 10/03/2018						
Elevation 1378					Elev. Method LiDAR 1m DEM (MNDNR)												Drill Method Non-specified Rotary		Drill Fluid Other				
Address													Use domestic		Status Active								
Contact 122 5TH AV W SABIN MN 56580													Well Hydrofractured? Yes ☐ No ☐					From To					
Well 19343 QUARTZ RD CLITHERALL MN 56524													Casing Type Single casing					Joint Glued					
Stratigraphy Information													Drive Shoe? Yes ☐ No ☒					Above/Below					
Geological Material					From		To (ft.)		Color		Hardness		Casing Diameter 4 in. To 75 ft. lbs./ft.					Hole Diameter 7 in. To 79 ft.					
TOP SOIL					0		1		BLACK														
GRAVEL					1		48		BROWN														
GRAVEL					48		70		GRAY														
SAND					70		80		GRAY														
CLAY					80		85		BLUE														
													Open Hole From ft. To ft.										
													Screen? ☒					Type stainless		Make JOHNSON			
													Diameter		Slot/Gauze		Length		Set				
													4 in.		10		4 ft.		75 ft.		79 ft.		
													Static Water Level										
													52 ft.		land surface		Measure		10/03/2018				
													Pumping Level (below land surface)										
													70 ft.		2 hrs.		Pumping at		10 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. 60 ft.				
													Nearest Known Source of Contamination										
													70 feet		South Direction		Septic tank/drain field		Type				
													Well disinfected upon completion? ☐ Yes ☐ No										
													Pump ☐ Not Installed					Date Installed		09/07/2018			
													Manufacturer's name					GRUNDFOS					
													Model Number		HP		0.75		Volt		230		
													Length of drop pipe		75 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					clay-gray		Depth to Bedrock		ft	
													Located by					Minnesota Geological Survey					
													Locate Method					Digitization (Screen) - Map (1:12,000) (>15 meters)					
													System		UTM - NAD83, Zone 15, Meters		X 295156		Y 5124527				
													Unique Number Verification					Tax Records		Input Date		01/02/2019	
													Angled Drill Hole										
													Well Contractor										
													Robertson Well Drilling, Inc.					1616		SORENSEN, E.			
													Licensee Business					Lic. or Reg. No.		Name of Driller			
Remarks DRILLING FLUID: SUPER GEL X																							