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County Otter Tail
Quad Vining
Quad ID 217D

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

Entry Date 11/19/2014
Update Date 02/27/2019
Received Date 10/17/2014

Well Name PARISH,	Township 133	Range 39	Dir Section W 28	Subsection ACADAD	Well Depth 50 ft.	Depth Completed 49 ft.	Date Well Completed 09/20/2014
Elevation 1352	Elev. Method LiDAR 1m DEM (MNDNR)	Drill Method Non-specified Rotary				Drill Fluid Other	
Address Well 23695 CLARISSA HAVEN DR HENNING MN 56551					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness SAND 0 22 BROWN SAND/CLAY 22 35 BLUE HARD SAND 35 49 GRAY MEDIUM CLAY 49 50 BLUE MEDIUM					Well Hydrofractured? Yes ☐ No ☒ From To		
					Casing Type Single casing Joint		
					Drive Shoe? Yes ☐ No ☒ Above/Below		
					Casing Diameter 4 in. To 45 ft. lbs./ft.		
					Hole Diameter 6.5 in. To 50 ft.		
					Open Hole From ft. To ft.		
					Screen? ☒ Type stainless Make JOHNSON		
					Diameter Slot/Gauze Length Set		
					4 in. 12 4 ft. 45 ft. 49 ft.		
					Static Water Level 20 ft. land surface Measure 09/20/2013		
Pumping Level (below land surface) 30 ft. 2 hrs. Pumping at 35 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 2 Sacks ft. 35 ft.							
Nearest Known Source of Contamination <u>120</u> feet <u>North</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No							
Pump ☐ Not Installed Date Installed <u>11/01/2013</u> Manufacturer's name SCHAEFER Model Number <u>LEGACY</u> HP <u>0.5</u> Volt <u>230</u> Length of drop pipe <u>20</u> ft Capacity <u>10</u> g.p. Typ <u>Submersible</u>							
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 GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 299771 Y 5131321 Unique Number Verification Site Plan Input Date 12/15/2017							
Angled Drill Hole							
Well Contractor All State Well Drilling, Inc. 1603 BURMISTER, D. Licensee Business Lic. or Reg. No. Name of Driller							