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County Otter Tail
Quad
Quad ID

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

Entry Date
Update Date 08/30/2021
Received Date 08/06/2019

Well Name ZUMMACH,	Township 136	Range 40	Dir Section W 28	Subsection DDC	Well Depth 100 ft.	Depth Completed 100 ft.	Date Well Completed 07/29/2019
Elevation	Elev. Method				Drill Method Non-specified Rotary	Drill Fluid Bentonite	
Address					Use domestic	Status Active	
Well 36737 108 SH DENT MN 56528					Well Hydrofractured? Yes ☐ No ☐ From To		
Stratigraphy Information					Casing Type Single casing Joint		
					Drive Shoe? Yes ☐ No ☐ Above/Below		
Geological Material					Casing Diameter Weight Hole Diameter		
From To (ft.) Color Hardness					4 in. To 95 ft. lbs./ft. 7.7 in. To 50 ft.		
SAND 0 15 BROWN MEDIUM					6.7 in. To 100 ft.		
SAND-GRAVEL 15 32 GRAY MEDIUM							
SANDY CLAY 32 47 GRAY MEDIUM							
SAND SILTY FINE 47 87 GRAY MEDIUM							
SAND FINE ON TOP 87 100 GRAY MEDIUM							
					Open Hole From ft. To ft.		
					Screen? ☒ Type stainless Make JOHNSON		
					Diameter Slot/Gauze Length Set		
					4 in. 12 5 ft. 95 ft. 100 ft.		
					Static Water Level		
					15 ft. land surface Measure 07/26/2019		
					Pumping Level (below land surface)		
					100 ft. 2 hrs. Pumping at 40 g.p.m.		
					Wellhead Completion		
					Pitless adapter manufacturer MONITOR Model B4B0		
					☐ 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 3 Sacks ft. 55 ft.		
					Nearest Known Source of Contamination		
					100 feet Northwes Direction Sewer Type		
					Well disinfected upon completion? ☐ Yes ☐ No		
					Pump ☐ Not Installed Date Installed 07/29/2019		
					Manufacturer's name LEGEND		
					Model Number FMS2LD10S HP 0.5 Volt 230		
					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		
					Last Strat Depth to Bedrock ft		
					Located by		
					Locate Method		
					System UTM - NAD83, Zone 15, Meters X Y		
					Unique Number Verification Input Date		
					Angled Drill Hole		
					Well Contractor		
					Antonsen Well Drilling, Inc. 2147 FELL, R		
					Licensee Business Lic. or Reg. No. Name of Driller		