

797574

County Otter Tail
Quad Underwood
Quad ID 218D

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

Entry Date 04/02/2014
Update Date 02/12/2018
Received Date 01/23/2014

Well Name MILLER, JUSTIN	Township 133	Range 41	Dir Section W 22	Subsection CBDBAD	Well Depth 84 ft.	Depth Completed 84 ft.	Date Well Completed 11/20/2013
Elevation 1349	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid Other
Address C/W 24402 310TH AV UNDERWOOD MN 56586					Use domestic	Status Active	
Stratigraphy Information Geological Material From To (ft.) Color Hardness TOP 0 1 BLACK SOFT CLAY 1 20 YELLOW MEDIUM CLAY 20 80 BLUE SOFT SAND 80 84 GRAY SOFT					Well Hydrofractured? Yes ☐ No ☒ From To		
					Casing Type Single casing Joint		
					Drive Shoe? Yes ☐ No ☐ Above/Below		
					Casing Diameter Weight 4 in. To 80 ft. lbs./ft.		
					Open Hole From ft. To ft.		
					Screen? ☒ Type stainless Make JOHNSON Diameter Slot/Gauze Length Set 4 in. 12 4 ft. ft. ft.		
					Static Water Level 30 ft. land surface Measure 11/20/2013		
					Pumping Level (below land surface) 50 ft. 2 hrs. Pumping at 30 g.p.m.		
					Wellhead Completion Pitless adapter manufacturer MONITOR Model 4BO ☐ 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 cuttings 50 ft. 80 ft. bentonite 2 Sacks ft. 50 ft.		
Nearest Known Source of Contamination 75 feet North Direction Septic tank/drain field Type Well disinfected upon completion? ☒ Yes ☐ No							
Pump ☐ Not Installed Date Installed 12/03/2013 Manufacturer's name SCHAFER Model Number LEGACY HP 0.5 Volt 230 Length of drop pipe 60 ft Capacity 12 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 281513 Y 5133143 Unique Number Verification Info/GPS from data Input Date 11/18/2013							
Angled Drill Hole							
Well Contractor All State Well Drilling, Inc. 1603 BURMISTER, D. Licensee Business Lic. or Reg. No. Name of Driller							