

790422

County Otter Tail
Quad Ottertail
Quad ID 217A

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

Entry Date 06/11/2013
Update Date 12/05/2018
Received Date 12/24/2012

Well Name STRAWN, MARK	Township 134	Range 39	Dir W	Section 1	Subsection BADAAD																									
Elevation 1327	Elev. Method LiDAR 1m DEM (MNDNR)																													
Address Well 33883 457TH AV OTTERTAIL MN 56517 Contact 13477 GEORGIA DR APPLE VALLEY MN 55124																														
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>5</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>SAND</td><td>5</td><td>38</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>38</td><td>47</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>47</td><td>65</td><td>GRAY</td><td>MEDIUM</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	SAND	0	5	YELLOW	SOFT	SAND	5	38	GRAY	MEDIUM	CLAY	38	47	BLUE	MEDIUM	SAND	47	65	GRAY	MEDIUM
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Well Depth 65 ft.																														
Depth Completed 65 ft.																														
Date Well Completed 10/12/2012																														
Drill Method Non-specified Rotary																														
Drill Fluid Bentonite																														
Use domestic																														
Status Active																														
Well Hydrofractured? Yes ☐ No ☒ From To																														
Casing Type Single casing																														
Joint Glued																														
Drive Shoe? Yes ☒ No ☐ Above/Below																														
Casing Diameter 4 in. To 60 ft. lbs./ft.																														
Weight																														
Hole Diameter 6.7 in. To 23 ft. 6.5 in. To 65 ft.																														
Open Hole From ft. To ft.																														
Screen? ☒ Type stainless Make JOHNSON																														
Diameter Slot/Gauze Length Set																														
3.7 in. 15 5 ft. 60 ft. 65 ft.																														
Static Water Level 3 ft. land surface Measure 09/26/2012																														
Pumping Level (below land surface) 50 ft. 1 hrs. Pumping at 100 g.p.m.																														
Wellhead Completion Pitless adapter manufacturer MONITOR Model BULLDOG ☐ 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 4 Sacks ft. 50 ft.																														
Nearest Known Source of Contamination 50 feet South Direction Septic tank/drain field Type																														
Well disinfected upon completion? ☒ Yes ☐ No																														
Pump ☐ Not Installed Date Installed 10/12/2012																														
Manufacturer's name SHAEFER																														
Model Number LD-10-50 HP 0.5 Volt 230																														
Length of drop pipe 20 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 sand-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 304743 Y 5147572 Unique Number Verification Site Plan Input Date 12/15/2017																														
Angled Drill Hole																														
Well Contractor Ray Cichy and Sons Well Co. 1654 CICHY, S. Licensee Business Lic. or Reg. No. Name of Driller																														
Remarks																														