

805279

County Otter Tail
Quad Deer Creek
Quad ID 216A

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

Entry Date 12/29/2014
Update Date 11/07/2018
Received Date 12/01/2014

Well Name CICHY,	Township 135	Range 37	Dir Section W 27	Subsection CACDAC	Well Depth 79 ft.	Depth Completed 76 ft.	Date Well Completed 11/01/2014																														
Elevation 1399	Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary	Drill Fluid Bentonite																														
Address C/W 35324 550TH AV NEW YORK MILLS MN 56567					Use domestic	Status Active																															
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>CLAY</td><td>0</td><td>48</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>48</td><td>55</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>55</td><td>56</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>56</td><td>62</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>SAND/GRAVEL</td><td>62</td><td>79</td><td>YELLOW</td><td>SOFT</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	48	YELLOW	MEDIUM	CLAY	48	55	BLUE	MEDIUM	SAND	55	56	YELLOW	SOFT	CLAY	56	62	YELLOW	MEDIUM	SAND/GRAVEL	62	79	YELLOW	SOFT	Well Hydrofractured? Yes ☐ No ☒ From To		
					Geological Material	From	To (ft.)	Color	Hardness																												
					CLAY	0	48	YELLOW	MEDIUM																												
					CLAY	48	55	BLUE	MEDIUM																												
					SAND	55	56	YELLOW	SOFT																												
					CLAY	56	62	YELLOW	MEDIUM																												
					SAND/GRAVEL	62	79	YELLOW	SOFT																												
					Casing Type Single casing Joint Glued																																
					Drive Shoe? Yes ☐ No ☐ Above/Below																																
					Casing Diameter Weight Hole Diameter																																
4 in. To 71 ft. lbs./ft. 6.7 in. To 23 ft.																																					
6.5 in. To 79 ft.																																					
Open Hole From ft. To ft.																																					
Screen? ☒ Type stainless Make JOHNSON																																					
Diameter Slot/Gauze Length Set																																					
3.7 in. 18 5 ft. 71 ft. 76 ft.																																					
Static Water Level 28 ft. land surface Measure 11/01/2014																																					
Pumping Level (below land surface) 60 ft. 1 hrs. Pumping at 100 g.p.m.																																					
Wellhead Completion Pitless adapter manufacturer MONITOR Model 1" 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 <u>100</u> feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No																																					
Pump ☐ Not Installed Date Installed <u>11/01/2014</u> Manufacturer's name AERMOTOR Model Number <u>AT-12-75</u> HP <u>0.75</u> Volt <u>230</u> Length of drop pipe <u>40</u> ft Capacity <u>12</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 sand +larger-yellow Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 320707 Y 5149435 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																																					