

788576

County Otter Tail
Quad
Quad ID

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

Entry Date 06/12/2012
Update Date 06/15/2012
Received Date 12/15/2011

Well Name VAN	Township 136	Range 38	Dir W	Section 29	Subsection CAD																																			
Elevation Elev. Method																																								
Address Contact 42802 108 SH PERHAM MN 56573 Well N/A 474TH AV PERHAM MN 56573																																								
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>49</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>49</td><td>67</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>67</td><td>71</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY AND ROCKS</td><td>71</td><td>80</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>80</td><td>85</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY</td><td>85</td><td>87</td><td>BLUE</td><td>MEDIUM</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	SAND	0	49	YELLOW	SOFT	CLAY	49	67	BLUE	MEDIUM	SAND	67	71	GRAY	MEDIUM	CLAY AND ROCKS	71	80	BLUE	MEDIUM	SAND	80	85	GRAY	SOFT	CLAY	85	87	BLUE	MEDIUM
Geological Material	From	To (ft.)	Color	Hardness																																				
SAND	0	49	YELLOW	SOFT																																				
CLAY	49	67	BLUE	MEDIUM																																				
SAND	67	71	GRAY	MEDIUM																																				
CLAY AND ROCKS	71	80	BLUE	MEDIUM																																				
SAND	80	85	GRAY	SOFT																																				
CLAY	85	87	BLUE	MEDIUM																																				
Well Depth 87 ft. Depth Completed 85 ft. Date Well Completed 11/03/2011																																								
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. Weight 80 lbs./ft. Hole Diameter 6.7 in. To 23 ft. 6.5 in. To 87 ft.																																								
Open Hole From ft. To ft.																																								
Screen? ☒ Type stainless Make JOHNSON Diameter Slot/Gauze Length Set 3.7 in. 12 5 ft. 80 ft. 85 ft.																																								
Static Water Level 17 ft. land surface Measure 11/03/2011																																								
Pumping Level (below land surface) 60 ft. 1 hrs. Pumping at 100 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 4 Sacks ft. 50 ft.																																								
Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No																																								
Pump ☒ Not Installed Date Installed Manufacturer's name Model Number HP Volt Length of drop pipe ft Capacity g.p. Typ																																								
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 Ray Cichy and Sons Well Co. 1654 CICHY, S. Licensee Business Lic. or Reg. No. Name of Driller																																								