

725336

County Chisago
Quad Scandia
Quad ID 134D

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

Entry Date 02/03/2006
Update Date 08/18/2014
Received Date 09/19/2005

Well Name ALDRICH,				Township 33	Range 20	Dir W	Section 33	Subsection BDBDDDB	Well Depth 161 ft.	Depth Completed 161 ft.	Date Well Completed 08/22/2005																																													
Elevation 944 ft.				Elev. Method 7.5 minute topographic map (+/- 5 feet)				Drill Method Non-specified Rotary	Drill Fluid Bentonite																																															
Address Well 12674 246TH ST CHISAGO CITY MN 55013									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>60</td><td>BROWN</td><td></td></tr><tr><td>ROCK</td><td>60</td><td>65</td><td>BLACK</td><td></td></tr><tr><td>CLAY</td><td>65</td><td>68</td><td>BROWN</td><td></td></tr><tr><td>SAND</td><td>68</td><td>71</td><td>GRAY</td><td></td></tr><tr><td>CLAY</td><td>71</td><td>122</td><td>BROWN</td><td></td></tr><tr><td>SHALE</td><td>122</td><td>129</td><td>BLUE</td><td></td></tr><tr><td>SHALE</td><td>129</td><td>156</td><td>BLUE</td><td></td></tr><tr><td>SAND ROCK-CREAM</td><td>156</td><td>161</td><td></td><td></td></tr></table>									Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	60	BROWN		ROCK	60	65	BLACK		CLAY	65	68	BROWN		SAND	68	71	GRAY		CLAY	71	122	BROWN		SHALE	122	129	BLUE		SHALE	129	156	BLUE		SAND ROCK-CREAM	156	161			Well Hydrofractured? Yes ☐ No ☒ From To		
									Geological Material	From	To (ft.)	Color	Hardness																																											
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Casing Type Single casing Joint																																																								
Drive Shoe? Yes ☒ No ☐ Above/Below																																																								
Casing Diameter 4 in. To 129 ft. lbs./ft.																																																								
Hole Diameter 8.5 in. To 30 ft. 6.5 in. To 129 ft. 3.8 in. To 161 ft.																																																								
Open Hole From 129 ft. To 161 ft.																																																								
Screen? ☐ Type Make																																																								
Static Water Level 45 ft. land surface Measure 08/20/2005																																																								
Pumping Level (below land surface) ft. hrs. Pumping at 30 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 high solids bentonite 3 Sacks ft. 40 ft.																																																								
Nearest Known Source of Contamination 35 feet North Direction Sewer Type Well disinfected upon completion? ☒ Yes ☐ No																																																								
Pump ☐ Not Installed Date Installed 08/22/2005 Manufacturer's name FLINT & WALLING Model Number 19GPM HP 1 Volt Length of drop pipe 80 ft Capacity 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 St.Lawrence Formation Aquifer St.Lawrence- Last Strat Tunnel City Group Depth to Bedrock 122 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 511876 Y 5016923 Unique Number Verification Address verification Input Date 01/07/2008																																																								
Angled Drill Hole																																																								
Well Contractor Torgerson Well Co. 27056 HAFFTEN, G. Licensee Business Lic. or Reg. No. Name of Driller																																																								