

730221

County Sibley
Quad Green Isle
Quad ID 92A

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

Entry Date 08/28/2007
Update Date 08/18/2014
Received Date 09/07/2007

Well Name BUCKENTINE,					Township 114	Range 27	Dir W	Section 27	Subsection BAADBB	Well Depth 471 ft.			Depth Completed 471 ft.			Date Well Completed 08/28/2007																																																								
Elevation 1009					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary			Drill Fluid Water																																																											
Address Well 39675 200TH ST GREEN ISLE MN 55338										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>DIRT</td><td>0</td><td>1</td><td>BLACK</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>1</td><td>19</td><td>TAN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>19</td><td>95</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY STONEY</td><td>95</td><td>185</td><td>TAN/GRN</td><td>MEDIUM</td></tr><tr><td>CLAY SANDY MUDDY</td><td>185</td><td>238</td><td>GRAY</td><td>MED-HRD</td></tr><tr><td>CLAY-ROCK</td><td>238</td><td>239</td><td>GRN/RED</td><td>MED-HRD</td></tr><tr><td>CLAY ROCK</td><td>239</td><td>247</td><td>GRN/RED</td><td>MED-HRD</td></tr><tr><td>LIMEROCK</td><td>247</td><td>319</td><td>VARIED</td><td>HARD</td></tr><tr><td>LIMEROCK</td><td>319</td><td>431</td><td>VARIED</td><td>HARD</td></tr><tr><td>LIMEROCK</td><td>431</td><td>439</td><td>VARIED</td><td>HARD</td></tr><tr><td>SANDROCK</td><td>439</td><td>471</td><td></td><td>MED-HRD</td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	DIRT	0	1	BLACK	MEDIUM	CLAY	1	19	TAN	MEDIUM	CLAY	19	95	GRAY	MEDIUM	CLAY STONEY	95	185	TAN/GRN	MEDIUM	CLAY SANDY MUDDY	185	238	GRAY	MED-HRD	CLAY-ROCK	238	239	GRN/RED	MED-HRD	CLAY ROCK	239	247	GRN/RED	MED-HRD	LIMEROCK	247	319	VARIED	HARD	LIMEROCK	319	431	VARIED	HARD	LIMEROCK	431	439	VARIED	HARD	SANDROCK	439	471		MED-HRD	Well Hydrofractured? Yes ☐ No ☒ From To		
										Geological Material	From	To (ft.)	Color	Hardness																																																										
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SANDROCK	439	471		MED-HRD																																																																				
Casing Type Single casing			Joint Solvent Welded																																																																					
Drive Shoe? Yes ☐ No ☒ Above/Below 1 ft.																																																																								
Casing Diameter 4 in. To 267 ft.			Weight lbs./ft.			Hole Diameter 8 in. To 267 ft. 4 in. To 471 ft.																																																																		
Open Hole From 267 ft. To 471 ft.																																																																								
Screen? ☐ Type Make																																																																								
Static Water Level 104 ft. land surface Measure 08/28/2007																																																																								
Pumping Level (below land surface) 125 ft. 3 hrs. Pumping at 110 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 neat cement 26 50 ft. 267 ft. high solids bentonite 4 Sacks ft. 50 ft.																																																																								
Nearest Known Source of Contamination 60 feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> 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 St.Lawrence Formation Aquifer multiple Last Strat Wonewoc Sandstone Depth to Bedrock 239 ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 415788 Y 4945500 Unique Number Verification Information from Input Date 08/28/2007																																																																								
Angled Drill Hole																																																																								
Well Contractor Geib Well Co., Inc. 1714 GEIB, S. Licensee Business Lic. or Reg. No. Name of Driller																																																																								

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