

Quad ID 177D

Received Date 01/11/2012

Well Name CARLSON,	Township 127	Range 31	Dir Section W 12	Subsection CDDBBC																				
Elevation 1185	Elev. Method 7.5 minute topographic map (+/- 5 feet)																							
Address Well 6372 238 SH BOWLUS MN 56314																								
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>18</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>18</td><td>65</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>65</td><td>87</td><td>GRAY</td><td>SOFT</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	18	YELLOW	SOFT	CLAY	18	65	BLUE	MEDIUM	SAND	65	87	GRAY	SOFT
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CLAY	18	65	BLUE	MEDIUM																				
SAND	65	87	GRAY	SOFT																				
Well Depth 87 ft.																								
Depth Completed 87 ft.																								
Date Well Completed 07/20/2011																								
Drill Method Non-specified Rotary																								
Drill Fluid Bentonite																								
Use irrigation																								
Status Active																								
Well Hydrofractured? Yes ☐ No ☒ From To																								
Casing Type Single casing																								
Joint																								
Drive Shoe? Yes ☐ No ☒ Above/Below																								
Casing Diameter 5 in. To 83 ft.																								
Weight lbs./ft.																								
Hole Diameter 9 in. To 87 ft.																								
Open Hole From ft. To ft.																								
Screen? ☒ Type stainless Make JOHNSON																								
Diameter 5 in. Slot/Gauze 18 Length 4 ft. Set 83 ft. 87 ft.																								
Static Water Level 10 ft. land surface Measure 07/20/2011																								
Pumping Level (below land surface) 80 ft. 1 hrs. Pumping at 40 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 cuttings bentonite																								
Amount From To 50 ft. 80 ft. 50 ft.																								
Nearest Known Source of Contamination 200 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 Quat. buried Last Strat sand-gray Depth to Bedrock ft Located by Minnesota Department of Health Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 381378 Y 5075065 Unique Number Verification Info/GPS from data Input Date 08/16/2011																								
Angled Drill Hole																								
Well Contractor Atkinson Well and Pump Ltd. 2114 ATKINSON, R. Licensee Business Lic. or Reg. No. Name of Driller																								

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