

789186

County Hennepin
Quad Excelsior
Quad ID 105A

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

Entry Date 02/20/2013
Update Date 06/10/2015
Received Date 11/02/2012

Well Name JAGGER, KARL	Township 117	Range 23	Dir W	Section 25	Subsection ADCCDD	Well Depth 225 ft.	Depth Completed 222 ft.	Date Well Completed 06/27/2012																																			
Elevation 1021	Elev. Method LiDAR 1m DEM (MNDNR)				Drill Method Non-specified Rotary	Drill Fluid Bentonite																																					
Address C/W 19510 VINE ST DEEPHAVEN MN 55331						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>COARSE GRAVEL</td><td>0</td><td>30</td><td>VARIED</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>30</td><td>100</td><td>TAN/GRY</td><td>MEDIUM</td></tr><tr><td>SILTY SAND</td><td>100</td><td>180</td><td>RED</td><td>SOFT</td></tr><tr><td>CLAY</td><td>180</td><td>195</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>195</td><td>220</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>COBBLES/CLAY</td><td>220</td><td>225</td><td>TAN</td><td>HARD</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	COARSE GRAVEL	0	30	VARIED	MEDIUM	CLAY	30	100	TAN/GRY	MEDIUM	SILTY SAND	100	180	RED	SOFT	CLAY	180	195	GRAY	MEDIUM	SAND	195	220	GRAY	MEDIUM	COBBLES/CLAY	220	225	TAN	HARD	Well Hydrofractured? Yes ☐ No ☒ From To		
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						Casing Type Single casing			Joint Welded																																		
						Drive Shoe? Yes ☐ No ☒ Above/Below																																					
Casing Diameter 4 in. To			Weight 212 ft. lbs./ft.		Hole Diameter 8 in. To 45 ft. 6.2 in. To 225 ft.																																						
Open Hole From ft. To ft.																																											
Screen? ☒ Type plastic			Make																																								
Diameter Slot/Gauze Length Set			Diameter																																								
4 in. 15 10 ft. 212 ft. 222 ft.																																											
Static Water Level 135 ft. land surface Measure 06/26/2012																																											
Pumping Level (below land surface) 150 ft. 1 hrs. Pumping at 25 g.p.m.																																											
Wellhead Completion Pitless adapter manufacturer WHITEWATER 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 high solids bentonite 6 Sacks 0 ft. 50 ft. cuttings 50 ft. 200 ft.																																											
Nearest Known Source of Contamination 51 feet North Direction Other Type Well disinfected upon completion? ☒ Yes ☐ No																																											
Pump ☐ Not Installed Date Installed 06/27/2012 Manufacturer's name AERMOTOR Model Number HP 1.5 Volt 220 Length of drop pipe 160 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 Aquifer Quat. buried Last Strat pebbly sand/silt/clay- Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 458385 Y 4973461 Unique Number Verification Address verification Input Date 05/19/2014																																											
Angled Drill Hole																																											
Well Contractor Bergerson Caswell, Inc. 1767 HOLMEN, G. Licensee Business Lic. or Reg. No. Name of Driller																																											