

160848

County
Olmsted
Quad
Marion
Quad ID
28A

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

Entry Date01/25/1988

Update Date07/19/2016

Received Date

Well Name BROEHL,					Township 106	Range 13	Dir W	Section 24	Subsection BDBADA	Well Depth 360 ft.				Depth Completed 360 ft.				Date Well Completed 11/21/1979																														
Elevation 1125					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary				Drill Fluid																																		
Address C/WRR 2 EYOTA MN										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>DRIFT CLAY</td><td>0</td><td>5</td><td>BLU/GRY</td><td></td></tr><tr><td>DECORAH</td><td>5</td><td>30</td><td>GRN/GRY</td><td>MEDIUM</td></tr><tr><td>PLATTEVILLE</td><td>30</td><td>50</td><td>GRAY</td><td>HARD</td></tr><tr><td>GLENWOOD</td><td>50</td><td>55</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>ST PETER</td><td>55</td><td>158</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>SHAKOPEE-ONEOTA</td><td>158</td><td>360</td><td>GRAY</td><td>HARD</td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	DRIFT CLAY	0	5	BLU/GRY		DECORAH	5	30	GRN/GRY	MEDIUM	PLATTEVILLE	30	50	GRAY	HARD	GLENWOOD	50	55	GRAY	MEDIUM	ST PETER	55	158	YELLOW	MEDIUM	SHAKOPEE-ONEOTA	158	360	GRAY	HARD	Well Hydrofractured? Yes ☐ No ☐ From To			
										Geological Material	From	To (ft.)	Color	Hardness																																		
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										SHAKOPEE-ONEOTA	158	360	GRAY	HARD																																		
										Casing Type Single casing				Joint Welded																																		
										Drive Shoe? Yes ☒ No ☐				Above/Below 1 ft.																																		
Casing Diameter 4 in. To 303 ft.				Weight 10.78 lbs./ft.				Hole Diameter 10 in. To 21 ft.																																								
								8 in. To 303 ft.																																								
								4 in. To 360 ft.																																								
Open Hole From 303 ft. To 360 ft.																																																
Screen? ☐				Type				Make																																								
Static Water Level 60 ft. land surface Measure 11/21/1979																																																
Pumping Level (below land surface) 60 ft. 2 hrs. Pumping at 20 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 6.5 Cubic yards 10 ft. 303 ft.																																																
Nearest Known Source of Contamination 200 feet Southeast Direction Septic tank/drain field Type Well disinfected upon completion? ☒ Yes ☐ No																																																
Pump ☐ Not Installed Date Installed 12/18/1979 Manufacturer's name RED JACKET Model Number 50N1 HP 0.5 Volt 230 Length of drop pipe 84 ft Capacity 10 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 Decorah Shale Aquifer Prairie Du Chien Last Strat Prairie Du Chien Group Depth to Bedrock 5 ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 553624 Y 4869182 Unique Number Verification Name on mailbox Input Date 01/01/1990																																																
Angled Drill Hole																																																
Well Contractor Christenson Well 20065 NARVESON, A. Licensee Business Lic. or Reg. No. Name of Driller																																																

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