

171858

County Winona
Quad Witoka
Quad ID 25A

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

Entry Date 11/02/1990
Update Date 08/18/2014
Received Date

Well Name QUINN, JOHN					Township 106	Range 6	Dir W	Section 35	Subsection BBCAAC	Well Depth 85 ft.		Depth Completed 85 ft.		Date Well Completed 07/07/1990																																				
Elevation 865 ft.					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Hollow Stem Auger		Drill Fluid																																						
Address C/W WINONA MN 55987										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>15</td><td>RED</td><td>SOFT</td></tr><tr><td>DRIFT</td><td>15</td><td>30</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SHALE</td><td>30</td><td>50</td><td>GREEN</td><td>SOFT</td></tr><tr><td>SHALE</td><td>50</td><td>55</td><td>GREEN</td><td>MEDIUM</td></tr><tr><td>SHALE</td><td>55</td><td>60</td><td>GREEN</td><td>HARD</td></tr><tr><td>SHALE</td><td>60</td><td>85</td><td>GREEN</td><td>HARD</td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	CLAY	0	15	RED	SOFT	DRIFT	15	30	GRAY	SOFT	SHALE	30	50	GREEN	SOFT	SHALE	50	55	GREEN	MEDIUM	SHALE	55	60	GREEN	HARD	SHALE	60	85	GREEN	HARD	Well Hydrofractured? Yes ☐ No ☐		From		To	
										Geological Material	From	To (ft.)	Color	Hardness																																				
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										Casing Type Single casing		Joint Threaded																																						
										Drive Shoe? Yes ☒ No ☐		Above/Below 2 ft.																																						
Casing Diameter 2 in.		Weight To 60 ft.		lbs./ft.																																														
Open Hole From 60 ft.		To 85 ft.																																																
Screen? ☐		Type		Make																																														
Static Water Level 40 ft.		land surface		Measure 07/07/1990																																														
Pumping Level (below land surface) 40 ft.		4 hrs.		Pumping at 10 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																																														
Nearest Known Source of Contamination		feet		Direction		Type																																												
Well disinfected upon completion?		☒ Yes ☐ No																																																
Pump ☐ Not Installed		Date Installed		07/15/1990																																														
Manufacturer's name		STARITE																																																
Model Number		MSE		HP 1		Volt 220																																												
Length of drop pipe		60 ft		Capacity		g.p. Typ Jet																																												
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		Tunnel City/Lone Rock Fm		Aquifer Tunnel City/Lone																																												
Last Strat		Tunnel City/Lone Rock Fm		Depth to Bedrock		30 ft																																												
Located by		Minnesota Geological Survey																																																
Locate Method		Digitization (Screen) - Map (1:24,000) (15 meters or																																																
System		UTM - NAD83, Zone 15, Meters		X 618911		Y 4866847																																												
Unique Number Verification				Input Date		04/02/2002																																												
Angled Drill Hole																																																		
Well Contractor		Buege Well Co.		85004		BUEGE, G.																																												
Licensee Business		Lic. or Reg. No.		Name of Driller																																														
Remarks																																																		