

450200

County St. Louis
Quad
Quad ID

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

Entry Date 11/20/1990
Update Date 12/02/2015
Received Date

Well Name MONSON, JOHN					Township 59	Range 15	Dir W	Section 35	Subsection null	Well Depth 134 ft.		Depth Completed 134 ft.		Date Well Completed 11/03/1988																																																
Elevation					Elev. Method					Drill Method Non-specified Rotary		Drill Fluid																																																		
Address										Use domestic		Status Active																																																		
Contact RR 1 BOX 90 EMBARRASS MN 55732										Well Hydrofractured?		Yes ☐ No ☐		From		To																																														
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>BOULDERS</td><td>0</td><td>34</td><td>BROWN</td><td>HARD</td></tr><tr><td>BOULDERS & SAND</td><td>34</td><td>48</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND (FINE SILT)</td><td>48</td><td>96</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND (FINE SILT)</td><td>96</td><td>120</td><td>GRAY</td><td>SOFT</td></tr><tr><td>SAND (FINE SILT)</td><td>120</td><td>126</td><td>BROWN</td><td>SOFT</td></tr><tr><td>GRAVEL</td><td>126</td><td>128</td><td>BROWN</td><td>SOFT</td></tr><tr><td>GRAVEL & BROKEN</td><td>128</td><td>130</td><td>BLACK</td><td>MEDIUM</td></tr><tr><td>BROKEN SLATE</td><td>130</td><td>134</td><td>BLACK</td><td>HARD</td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	BOULDERS	0	34	BROWN	HARD	BOULDERS & SAND	34	48	BROWN	MEDIUM	SAND (FINE SILT)	48	96	BROWN	SOFT	SAND (FINE SILT)	96	120	GRAY	SOFT	SAND (FINE SILT)	120	126	BROWN	SOFT	GRAVEL	126	128	BROWN	SOFT	GRAVEL & BROKEN	128	130	BLACK	MEDIUM	BROKEN SLATE	130	134	BLACK	HARD	Casing Type Single casing		Joint					
										Geological Material	From	To (ft.)	Color	Hardness																																																
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Drive Shoe?		Yes ☒ No ☐		Above/Below		1 ft.																																																								
Casing Diameter		6 in. To		Weight		ft. 18.97 lbs./ft.		Hole Diameter		8.8 in. To 14 ft.																																																				
								6 in. To		134 ft.																																																				
Open Hole										From		ft.		To		ft.																																														
Screen?		☒		Type		stainless		Make		JOHNSON																																																				
Diameter		Slot/Gauze		Length		Set																																																								
2 in.		15		4 ft.		130 ft.		134 ft.		ft.																																																				
in.				ft.		ft.		ft.		ft.																																																				
Static Water Level										28 ft.		land surface		Measure		11/03/1988																																														
Pumping Level (below land surface)										110 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																																																		
Nearest Known Source of Contamination										150 feet		East Direction		Body of water		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																																																		
Last Strat				Depth to Bedrock		ft																																																								
Located by										Locate Method																																																				
System		UTM - NAD83, Zone 15, Meters		X		Y																																																								
Unique Number Verification				Input Date																																																										
Angled Drill Hole																																																														
Well Contractor										Clearwater Well Co.		69587		HIIVALA, B.																																																
Licensee Business				Lic. or Reg. No.		Name of Driller																																																								