

482285

County Lyon
Quad Minneota
Quad ID 99C

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

Entry Date 06/24/1994
Update Date 03/14/2023
Received Date 01/24/1994

Well Name HOVLAND,				Township 113	Range 42	Dir W	Section 7	Subsection CCCD BC	Well Depth 88 ft.	Depth Completed 80 ft.	Date Well Completed 07/14/1993																																																													
Elevation 1142				Elev. Method 7.5 minute topographic map (+/- 5 feet)						Drill Method Non-specified Rotary	Drill Fluid Bentonite																																																													
Address Well RR 1 BOX 106 MINNEOTA MN 56264 Contact RR 1 BOX 111 MINNEOTA MN 56264									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>TOP SOIL</td><td>0</td><td>2</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>2</td><td>5</td><td>BLACK</td><td>SFT-MED</td></tr><tr><td>GRAVEL</td><td>5</td><td>8</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>8</td><td>15</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CLAY</td><td>15</td><td>29</td><td>BLUE</td><td>SOFT</td></tr><tr><td>SAND</td><td>29</td><td>37</td><td>BROWN</td><td>SOFT</td></tr><tr><td>HARD SOAPSTONE</td><td>37</td><td>40</td><td>GRAY</td><td>HARD</td></tr><tr><td>SOAPSTONE & SAND</td><td>40</td><td>64</td><td>GRAY</td><td>SFT-MED</td></tr><tr><td>SAND</td><td>64</td><td>65</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CHARCOAL, SAND,</td><td>65</td><td>83</td><td>GRAY</td><td>MED-HRD</td></tr><tr><td>WHITE CLAY</td><td>83</td><td>88</td><td>WHITE</td><td>SOFT</td></tr></table>									Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK	SOFT	CLAY	2	5	BLACK	SFT-MED	GRAVEL	5	8	BROWN	SOFT	CLAY	8	15	YELLOW	SOFT	CLAY	15	29	BLUE	SOFT	SAND	29	37	BROWN	SOFT	HARD SOAPSTONE	37	40	GRAY	HARD	SOAPSTONE & SAND	40	64	GRAY	SFT-MED	SAND	64	65	GRAY	SOFT	CHARCOAL, SAND,	65	83	GRAY	MED-HRD	WHITE CLAY	83	88	WHITE	SOFT	Well Hydrofractured? Yes ☐ No ☐ From To			
									Geological Material	From	To (ft.)	Color	Hardness																																																											
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CHARCOAL, SAND,	65	83	GRAY	MED-HRD																																																																				
WHITE CLAY	83	88	WHITE	SOFT																																																																				
Casing Type Single casing				Joint																																																																				
Drive Shoe? Yes ☐ No ☐				Above/Below																																																																				
Casing Diameter 5 in.				Weight 70 ft. lbs./ft.																																																																				
Open Hole																																																																								
Screen? ☒				Type plastic																																																																				
Diameter 5 in.				Slot/Gauze Length 10 ft. Set 70 ft. Make 80 ft.																																																																				
Static Water Level																																																																								
21.8 ft.				land surface Measure 07/16/1993																																																																				
Pumping Level (below land surface)																																																																								
27.8 ft.				8 hrs. Pumping at 15 g.p.m.																																																																				
Wellhead Completion																																																																								
Pitless adapter manufacturer				MONITOR Model SNAPPY																																																																				
☐ Casing Protection				☐ 12 in. above grade																																																																				
☐ At-grade (Environmental Wells and Borings ONLY)																																																																								
Grouting Information				Well Grouted? ☒ Yes ☐ No ☐ Not Specified																																																																				
Material bentonite				Amount 8 Sacks From 0 ft. To 35 ft.																																																																				
Nearest Known Source of Contamination																																																																								
70 feet				Southwes Direction																																																																				
Well disinfected upon completion?				☒ Yes ☐ No																																																																				
Pump ☐ Not Installed				Date Installed 09/17/1993																																																																				
Manufacturer's name GOULDS																																																																								
Model Number 10EJ05422				HP 0.5 Volt 230																																																																				
Length of drop pipe 40 ft				Capacity 15 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 Cretaceous undiff.				Aquifer Cretaceous,																																																																				
Last Strat Cretaceous undiff.				Depth to Bedrock 37 ft																																																																				
Located by Minnesota Geological Survey																																																																								
Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table)																																																																								
System UTM - NAD83, Zone 15, Meters				X 264312 Y 4943052																																																																				
Unique Number Verification				Information from Input Date 03/01/1997																																																																				
Angled Drill Hole																																																																								
Well Contractor																																																																								
Minneota Well Co.				42272 KOPKA, T.																																																																				
Licensee Business				Lic. or Reg. No. Name of Driller																																																																				
Remarks																																																																								