

779481

County Stearns
Quad
Quad ID

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

Entry Date 06/03/2011
Update Date 03/28/2014
Received Date 04/25/2011

Well Name GRUENES, Elevation	Township 123 Elev. Method	Range 31	Dir W	Section 22	Subsection AAC	Well Depth 30 ft.	Depth Completed 30 ft.	Date Well Completed 04/18/2011	Drill Method Non-specified Rotary	Drill Fluid Bentonite																			
Address Well 111 CR RICHMOND MN 56368						Use irrigation Status Active																							
Stratigraphy Information						Well Hydrofractured? Yes ☐ No ☒ From To																							
<table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SOIL</td><td>0</td><td>3</td><td>BLACK</td><td></td></tr><tr><td>SAND</td><td>3</td><td>25</td><td>YEL/BRN</td><td>SFT-HRD</td></tr><tr><td>MARL</td><td>25</td><td>30</td><td>BLUE</td><td>MEDIUM</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	SOIL	0	3	BLACK		SAND	3	25	YEL/BRN	SFT-HRD	MARL	25	30	BLUE	MEDIUM	Casing Type Single casing Joint Drive Shoe? Yes ☐ No ☒ Above/Below			
Geological Material	From	To (ft.)	Color	Hardness																									
SOIL	0	3	BLACK																										
SAND	3	25	YEL/BRN	SFT-HRD																									
MARL	25	30	BLUE	MEDIUM																									
						Casing Diameter Weight Hole Diameter 12 in. To 15 ft. lbs./ft. 18 in. To 30 ft.																							
						Open Hole From ft. To ft.																							
						Screen? ☒ Type plastic Make JWS Diameter Slot/Gauze Length Set 12 in. 100 12 ft. 15 ft. 25 ft.																							
						Static Water Level 4 ft. land surface Measure 04/18/2011																							
						Pumping Level (below land surface) 11 ft. 3 hrs. Pumping at 300 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 bentonite 4 Sacks ft. 10 ft.																							
						Nearest Known Source of Contamination feet Direction 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																							
Remarks GEOLOGICAL HARDNESS OF MATERIAL/SAND-VARIED ADDRESS						Angled Drill Hole																							
						Well Contractor Jennings Well Drilling, Inc. 2092 NORDMAN, M. Licensee Business Lic. or Reg. No. Name of Driller																							