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County Hennepin
Quad
Quad ID

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

Entry Date
Update Date 04/01/2020
Received Date 08/20/2018

Well Name COUNTRY JOE	Township 118	Range 23	Dir W	Section 34	Subsection CCC	Well Depth 353 ft.	Depth Completed 353 ft.	Date Well Completed 07/18/2018																																			
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid	Other																																			
Address Well 2330 OLIVER HILL ORONO MN 55356						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 & GRAVEL</td><td>0</td><td>55</td><td>BLK/GRY</td><td>SOFT</td></tr><tr><td>SAND & GRAVEL</td><td>55</td><td>83</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY & ROCKS</td><td>83</td><td>143</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SANDSTONE &</td><td>143</td><td>240</td><td>VARIED</td><td>HARD</td></tr><tr><td>SANDSTONE & SHALE</td><td>240</td><td>323</td><td>VARIED</td><td>HARD</td></tr><tr><td>SHALE & SANDSTONE</td><td>323</td><td>353</td><td>GRN/WHT</td><td>SFT-HRD</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	CLAY & GRAVEL	0	55	BLK/GRY	SOFT	SAND & GRAVEL	55	83	GRAY	SOFT	CLAY & ROCKS	83	143	GRAY	MEDIUM	SANDSTONE &	143	240	VARIED	HARD	SANDSTONE & SHALE	240	323	VARIED	HARD	SHALE & SANDSTONE	323	353	GRN/WHT	SFT-HRD	Well Hydrofractured? Yes ☐ No ☒ From To		
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						Casing Type Single casing			Joint Threaded																																		
						Drive Shoe? Yes ☒ No ☐			Above/Below																																		
Casing Diameter 4 in. To 333 ft.			Weight lbs./ft.																																								
Hole Diameter 8.7 in. To 333 ft.																																											
			4 in. To 353 ft.																																								
Open Hole Screen? ☒ Type stainless Make JOHNSON																																											
Static Water Level 97 ft. land surface Measure 06/14/2018																																											
Pumping Level (below land surface) 180 ft. 3 hrs. Pumping at 20 g.p.m.																																											
Wellhead Completion Pitless adapter manufacturer BAKER Model SNAPPY ☐ Casing Protection ☒ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																																											
Grouting Information Material Amount From To driven casing seal ft. 15 ft. neat cement 3 Cubic yards ft. 333 ft.																																											
Nearest Known Source of Contamination 20 feet East Direction Sewer Type Well disinfected upon completion? ☒ Yes ☐ No																																											
Pump ☐ Not Installed Date Installed 07/18/2018 Manufacturer's name GRUNDFOS Model Number 22SQE15- HP 1.5 Volt 220 Length of drop pipe 180 ft Capacity 22 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 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 EH Renner and Sons, Inc. 1431 RATHS, E. Licensee Business Lic. or Reg. No. Name of Driller																																											