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County Olmsted
Quad Simpson
Quad ID 28B

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

Entry Date 05/28/2015
Update Date 10/05/2016
Received Date 04/23/2015

Well Name FROST, BEN & Elevation 1280 Address C/W 2523 87TH ST SE ROCHESTER MN 55904	Township 105 Range 13 Dir Section W 18 Subsection DBCCAC Elev. Method LiDAR 1m DEM (MNDNR)	Well Depth 460 ft. Depth Completed 460 ft. Date Well Completed 04/05/2015 Drill Method Non-specified Rotary Drill Fluid Foam Use domestic Status Active Well Hydrofractured? Yes ☐ No ☒ From To Casing Type Single casing Joint Welded Drive Shoe? Yes ☒ No ☐ Above/Below Casing Diameter 4 in. To 380 ft. 10.79 lbs./ft. Weight Hole Diameter 12 in. To 20 ft. 8 in. To 380 ft. 4 in. To 460 ft. Open Hole From 380 ft. To 460 ft. Screen? ☐ Type Make Static Water Level 255 ft. land surface Measure 01/30/2015 Pumping Level (below land surface) 275 ft. 2 hrs. Pumping at 20 g.p.m. Wellhead Completion Pitless adapter manufacturer BAKER 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 neat cement 5 Cubic yards 0 ft. 380 ft. Nearest Known Source of Contamination 100 feet South Direction Sewer Type Well disinfected upon completion? ☒ Yes ☐ No Pump ☐ Not Installed Date Installed 04/05/2015 Manufacturer's name GRUNDFOS Model Number 10SQE15- HP 1.5 Volt 240 Length of drop pipe 300 ft Capacity 10 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 Stewartville- Aquifer Shakopee Fm Last Strat Pr.du Chien/Shakopee Fm Depth to Bedrock 20 ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 545963 Y 4860461 Unique Number Verification Tax Records Input Date 11/05/2015 Angled Drill Hole Well Contractor Petersen Well Drilling, Inc. 2139 SIEBENALER, D Licensee Business Lic. or Reg. No. Name of Driller																																								
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>DRIFT</td><td>0</td><td>20</td><td>BROWN</td><td>SOFT</td></tr><tr><td>LIMESTONE</td><td>20</td><td>195</td><td>TAN</td><td>HARD</td></tr><tr><td>SHALE</td><td>195</td><td>245</td><td>BLUE</td><td>SOFT</td></tr><tr><td>LIMESTONE</td><td>245</td><td>265</td><td>GRAY</td><td>HARD</td></tr><tr><td>SHALE</td><td>265</td><td>270</td><td>BLUE</td><td>SOFT</td></tr><tr><td>SANDSTONE</td><td>270</td><td>368</td><td>WHITE</td><td>SOFT</td></tr><tr><td>LIMESTONE</td><td>368</td><td>460</td><td>TAN</td><td>HARD</td></tr></table>		Geological Material	From	To (ft.)	Color	Hardness	DRIFT	0	20	BROWN	SOFT	LIMESTONE	20	195	TAN	HARD	SHALE	195	245	BLUE	SOFT	LIMESTONE	245	265	GRAY	HARD	SHALE	265	270	BLUE	SOFT	SANDSTONE	270	368	WHITE	SOFT	LIMESTONE	368	460	TAN	HARD	
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