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County Stearns

Quad

Quad ID

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

Entry Date06/24/1991

Update Date02/14/2014

Received Date

Well NamePAPPENGUS, Elevation Address C/W1422 OAK RIDGE LA ST CLOUD MN 56301	Township124 Range28 Dir W Section35 Subsectionnull	Well Depth195 ft. Depth Completed195 ft. Date Well Completed07/02/1987 Drill MethodNon-specified Rotary Drill FluidBentonite Use domestic StatusActive Well Hydrofractured? Yes No FromTo Casing TypeSingle casing JointGlued Drive Shoe? Yes No Above/Below1 ft. Casing DiameterWeight 4 in. To191 ft. lbs./ft. Open HoleFromft.Toft. Screen? X TypestainlessMakeJOHNSON DiameterSlot/GauzeLengthSet 4 in.204 ft.191 ft.195 ft. Static Water Level 91 ft. land surfaceMeasure07/02/1987 Pumping Level (below land surface) 150 ft.1 hrs. Pumping at25 g.p.m. Wellhead Completion Pitless adapter manufacturerModel Casing Protection X12 in. above grade At-grade (Environmental Wells and Borings ONLY) Grouting Information Well Grouted? X Yes No Not Specified MaterialAmountFromTo neat cement7 ft.37 ft. Nearest Known Source of Contamination feetDirectionType Well disinfected upon completion? X Yes No Pump Not Installed Date Installed07/07/1987 Manufacturer's nameAERMOTOR Model NumberA-12-B-75HP0.75Volt230 Length of drop pipe160 ftCapacity12 g.p. TypSubmersible Abandoned Does property have any not in use and not sealed well(s)? Yes X No Variance Was a variance granted from the MDH for this well? Yes No Miscellaneous First Bedrock Last Strat Aquifer Depth to Bedrockft Located by Locate Method SystemUTM - NAD83, Zone 15, MetersXY Unique Number Verification Input Date Angled Drill Hole Well Contractor Traut M.J. Well Co.71536BUCK Licensee BusinessLic. or Reg. No.Name of Driller																																																																		
Stratigraphy Information <table><thead><tr><th>Geological Material</th><th>From</th><th>To (ft.)</th><th>Color</th><th>Hardness</th></tr></thead><tbody><tr><td>SAND</td><td>0</td><td>7</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SMEARY CLAY</td><td>7</td><td>12</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>SANDY CLAY</td><td>12</td><td>18</td><td>BROWN</td><td>M.SOFT</td></tr><tr><td>DIRTY SAND &</td><td>18</td><td>27</td><td></td><td>SOFT</td></tr><tr><td>FINE SAND</td><td>27</td><td>70</td><td>BROWN</td><td>SOFT</td></tr><tr><td>FINE SAND</td><td>70</td><td>81</td><td>GRAY</td><td>SOFT</td></tr><tr><td>FINE SAND</td><td>81</td><td>114</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SMEARY CLAY</td><td>114</td><td>150</td><td>GRAY</td><td>M.HARD</td></tr><tr><td>MARL</td><td>150</td><td>163</td><td>GRAY</td><td>M.HARD</td></tr><tr><td>MARL/WHITE QUARTZ</td><td>163</td><td>178</td><td>WHITE</td><td>SOFT</td></tr><tr><td>MARL</td><td>178</td><td>184</td><td>WHITE</td><td>M.SOFT</td></tr><tr><td>MARL/WHITE QUARTZ</td><td>184</td><td>195</td><td>WHITE</td><td>SOFT</td></tr></tbody></table>		Geological Material	From	To (ft.)	Color	Hardness	SAND	0	7	BROWN	SOFT	SMEARY CLAY	7	12	YELLOW	MEDIUM	SANDY CLAY	12	18	BROWN	M.SOFT	DIRTY SAND &	18	27		SOFT	FINE SAND	27	70	BROWN	SOFT	FINE SAND	70	81	GRAY	SOFT	FINE SAND	81	114	BROWN	SOFT	SMEARY CLAY	114	150	GRAY	M.HARD	MARL	150	163	GRAY	M.HARD	MARL/WHITE QUARTZ	163	178	WHITE	SOFT	MARL	178	184	WHITE	M.SOFT	MARL/WHITE QUARTZ	184	195	WHITE	SOFT		
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