

157914

County St. Louis
Quad Adolph
Quad ID 245D

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

Entry Date 02/22/1988
Update Date 11/05/2018
Received Date

Well Name BANG, THOMAS	Township 50	Range 16	Dir W	Section 15	Subsection DCDDBC																														
Elevation 1388	Elev. Method LiDAR 1m DEM (MNDNR)																																		
Address Well 6354 MAPLE GROVE RD CLOQUET MN 55720 Contact 4000 MORRIS THOMAS RD DULUTH MN 55810																																			
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 & ROCKS</td><td>0</td><td>88</td><td>BROWN</td><td>SFT-HRD</td></tr><tr><td>FINE SAND</td><td>88</td><td>90</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY</td><td>90</td><td>116</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND & CLAY</td><td>116</td><td>120</td><td>BROWN</td><td>SOFT</td></tr><tr><td>MED. SAND</td><td>120</td><td>128</td><td>GRAY</td><td>SOFT</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	CLAY & ROCKS	0	88	BROWN	SFT-HRD	FINE SAND	88	90	BROWN	SOFT	CLAY	90	116	BROWN	MEDIUM	SAND & CLAY	116	120	BROWN	SOFT	MED. SAND	120	128	GRAY	SOFT
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Well Depth 128 ft.			Depth Completed 128 ft.		Date Well Completed 11/09/1978																														
Drill Method Non-specified Rotary			Drill Fluid																																
Use domestic			Status Active																																
Well Hydrofractured? Yes ☐ No ☐			From To																																
Casing Type Single casing			Joint Threaded																																
Drive Shoe? Yes ☐ No ☒			Above/Below 1 ft.																																
Casing Diameter Weight 5 in. To 120 ft. 14.81 lbs./ft.																																			
Open Hole From ft. To ft.																																			
Screen? ☒ Type stainless Make JOHNSON Diameter Slot/Gauze Length Set 2 in. 12 8 ft. 120 ft. 128 ft.																																			
Static Water Level 33 ft. land surface Measure 11/09/1978																																			
Pumping Level (below land surface) 50 ft. 1 hrs. Pumping at 15 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																																			
Nearest Known Source of Contamination 105 feet West Direction Septic tank/drain field 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 Quat. buried Last Strat sand-gray Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 549569 Y 5184107 Unique Number Verification Site Plan Input Date 10/30/2018																																			
Angled Drill Hole																																			
Well Contractor North Star Drilling 48038 FLICKER, D. Licensee Business Lic. or Reg. No. Name of Driller																																			