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County St. Louis
Quad Duluth
Quad ID 244C

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

Entry Date 03/14/2002
Update Date 03/24/2021
Received Date 11/16/2001

Well Name KUNCAITIS,					Township 51	Range 15	Dir W	Section 25	Subsection CCDBCD	Well Depth 405 ft.		Depth Completed 405 ft.		Date Well Completed 03/27/2001	
Elevation 1449					Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Non-specified Rotary		Drill Fluid Water			
Address										Use domestic		Status Active			
Well 4885 MARTIN RD DULUTH MN 55803										Well Hydrofractured? Yes ☐ No ☒ From To					
Contact 300 MICHIGAN ST W DULUTH MN 55802										Casing Type Single casing		Joint Welded			
Stratigraphy Information										Drive Shoe? Yes ☒ No ☐		Above/Below			
Geological Material		From	To (ft.)	Color	Hardness	Casing Diameter		Weight		Hole Diameter					
SANDY LOAM/CLAY		0	15	BROWN	SOFT	6 in. To		51 ft.		lbs./ft.		10 in. To 50 ft.			
BEDROCK		15	75	GRY/BLK	HARD							6 in. To 405 ft.			
BEDROCK		75	235	GRN/BLK	HARD										
BEDROCK WHT ORN		235	240	VARIED	MEDIUM										
BEDROCK		240	315	GRN/BLK	HARD										
BEDROCK		315	325	ORANGE	MEDIUM										
BEDROCK		325	350	BLACK	HARD										
BEDROCK		350	360	ORN/WHT	MEDIUM										
BEDROCK		360	405	BLACK	HARD										
Open Hole From 51 ft. To 405 ft.															
Screen? ☐ Type Make															
Static Water Level															
Pumping Level (below land surface)															
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 neat cement 6 Sacks 15 ft. 50 ft.															
Nearest Known Source of Contamination 60 feet Southeast 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 layered series @Duluth Aquifer Precambrian Last Strat Precambrian rocks undiff. Depth to Bedrock 15 ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 561527 Y 5190658 Unique Number Verification Other, note in Input Date 10/11/2017															
Angled Drill Hole															
Well Contractor Aqua Systems 69438 MADISON, D. Licensee Business Lic. or Reg. No. Name of Driller															