

416512

County St. Louis
Quad Riley
Quad ID 294C

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

Entry Date 11/13/1990
Update Date 05/01/2017
Received Date

Well Name SHAIN, JOHN	Township 56	Range 21	Dir W	Section 14	Subsection BCDCBD
Elevation 1411	Elev. Method LiDAR 1m DEM (MNDNR)				
Address C/W 12273 OWENS RD HIBBING MN 55746					
Stratigraphy Information					
Geological Material		From	To (ft.)	Color	Hardness
TOP SOIL		0	2	BLACK	SOFT
CLAY		2	27	GRAY	SOFT
CLAY & BOULDERS		27	46	RED	SOFT
FINE SAND		46	72	GRAY	SOFT
CLAY & BOULDER		72	85	GRAY	MEDIUM
CLAY		85	114	GRAY	MEDIUM
CLAY & GRAVEL		114	130	GRAY	MEDIUM
FINE SAND		130	132	GRAY	SOFT
GRAVEL COARSE		132	137	BLK/WHT	SOFT

Well Depth 137 ft.	Depth Completed 137 ft.	Date Well Completed 06/10/1988
Drill Method Non-specified Rotary	Drill Fluid	
Use domestic	Status Active	
Well Hydrofractured? Yes ☐ No ☐	From	To
Casing Type Single casing	Joint Welded	
Drive Shoe? Yes ☒ No ☐	Above/Below 2 ft.	
Casing Diameter 6 in. To	Weight 135 ft. 18.97 lbs./ft.	Hole Diameter 8.7 in. To ft.
Open Hole From 135 ft. To 137 ft.		
Screen? ☐	Type	Make
Static Water Level 30 ft. land surface Measure 06/14/1988		
Pumping Level (below land surface) 60 ft. 2 hrs. Pumping at 50 g.p.m.		
Wellhead Completion Pitless adapter manufacturer MAASS Model 6J1 ☐ Casing Protection ☐ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)		
Grouting Information Material neat cement	Well Grouted? ☒ Yes ☐ No ☐ Not Specified Amount From 8 To 25 ft.	
Nearest Known Source of Contamination 80 feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> 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 Last Strat gravel (+larger) Aquifer Quat. buried Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:12,000) (>15 meters) System UTM - NAD83, Zone 15, Meters X 501772 Y 5242292 Unique Number Verification Name on mailbox Input Date 01/12/2000		
Angled Drill Hole		
Well Contractor Swader, Marcus 43567 HIIVALA, B. Licensee Business Lic. or Reg. No. Name of Driller		