

579982

County Pope
Quad Glenwood
Quad ID 161B

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

Entry Date 07/22/1999
Update Date 02/14/2014
Received Date

Well Name GAFFNEY, TOM	Township 125	Range 37	Dir W	Section 6	Subsection CDABCC	Well Depth 369 ft.	Depth Completed 369 ft.	Date Well Completed 09/04/1998																									
Elevation 1395	Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Non-specified Rotary	Drill Fluid Additive (+ Bentonite)																										
Address Well 720 55 HY N GLENWOOD MN 56334 Contact 413 8TH ST CLOQUET MN 55720						Use domestic	Status Active																										
Stratigraphy Information						Well Hydrofractured? Yes ☐ No ☐	From To																										
<table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOP SOIL</td><td>0</td><td>2</td><td>BLACK</td><td>MEDIUM</td></tr><tr><td>GRAVEL</td><td>2</td><td>100</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>100</td><td>362</td><td>BLUE</td><td>MEDIUM</td></tr><tr><td>GRAVEL</td><td>362</td><td>369</td><td>VARIED</td><td>MEDIUM</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK	MEDIUM	GRAVEL	2	100	YELLOW	MEDIUM	CLAY	100	362	BLUE	MEDIUM	GRAVEL	362	369	VARIED	MEDIUM	Casing Type Single casing	Joint Above/Below	
Geological Material	From	To (ft.)	Color	Hardness																													
TOP SOIL	0	2	BLACK	MEDIUM																													
GRAVEL	2	100	YELLOW	MEDIUM																													
CLAY	100	362	BLUE	MEDIUM																													
GRAVEL	362	369	VARIED	MEDIUM																													
						Drive Shoe? Yes ☐ No ☒																											
						Casing Diameter 4 in. To 364 ft.	Weight lbs./ft.	Hole Diameter 7 in. To 369 ft.																									
						Open Hole From ft. To ft.																											
						Screen? ☒ Diameter 4 in. Slot/Gauze 24	Type stainless Length 5 ft.	Make JOHNSON Set 364 ft. 369 ft.																									
						Static Water Level 135 ft. land surface	Measure	09/04/1998																									
						Pumping Level (below land surface) 160 ft. 1 hrs. Pumping at	15 g.p.m.																										
						Wellhead Completion Pitless adapter manufacturer MERRILL Model SP406 ☒ Casing Protection ☒ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																											
						Grouting Information Material bentonite cuttings pearock	Well Grouted? ☒ Yes ☐ No ☐ Not Specified Amount 4 Sacks From 0 ft. To 30 ft. 359 ft. 369 ft.																										
						Nearest Known Source of Contamination 120 feet Southwes Direction Well disinfected upon completion? ☐ Yes ☐ No	Septic tank/drain field Type																										
						Pump ☐ Not Installed Date Installed 09/04/1998 Manufacturer's name F-M Model Number HP 1 Volt 220 Length of drop pipe 200 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 Last Strat gravel (+larger) Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 314689 Y 5059053 Unique Number Verification Tag on well Input Date 02/24/2000	Aquifer Quat. buried Depth to Bedrock ft.																										
Remarks						Angled Drill Hole																											
						Well Contractor Steffl Well Co. 61335 STEFFL, JAMES Licensee Business Lic. or Reg. No. Name of Driller																											