

822225

County Cass
Quad
Quad ID

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

Entry Date 07/31/2017
Update Date 07/31/2017
Received Date 01/30/2017

Well Name KARNER, JASON	Township 142	Range 26	Dir W	Section 14	Subsection CCB
Elevation Elev. Method					
Address Contact 9332 134TH ST SAVAGE MN 55378 Well 8404 GRAVES LAKE RD W REMER MN 56672					
Stratigraphy Information					
Geological Material		From	To (ft.)	Color	Hardness
TOPSOIL		0	1	BLACK	SOFT
CLAY, ROCKY		1	22	BROWN	HARD
SANDS, MIXED		22	31	BROWN	MEDIUM
CLAY, ROCKY		31	56	BROWN	HARD
SAND, FINE		56	61	GRAY	SOFT
CLAY & GRAVEL,		61	77	GRAY	HARD
CLAY & SAND		77	79	GRAY	SOFT
CLAY & GRAVEL,		79	103	GRAY	HARD
SANDS, MED		103	109	LT. BRN	SOFT

Well Depth 109 ft.	Depth Completed 109 ft.	Date Well Completed 09/30/2016
Drill Method Non-specified Rotary	Drill Fluid Bentonite	
Use domestic	Status Active	
Well Hydrofractured? Yes ☐ No ☒	From	To
Casing Type Single casing	Joint	
Drive Shoe? Yes ☐ No ☒	Above/Below	
Casing Diameter 4 in. To 104 ft.	Weight lbs./ft.	Hole Diameter 8 in. To 109 ft.
Open Hole	From ft.	To ft.
Screen? ☒	Type stainless	Make JOHNSON
Diameter 3 in.	Slot/Gauze 12	Length 5 ft.
		Set 104 ft. 109 ft.
Static Water Level 109 ft. land surface Measure 09/30/2016		
Pumping Level (below land surface) 109 ft. 2 hrs. Pumping at 30 g.p.m.		
Wellhead Completion Pitless adapter manufacturer MONITOR Model SPK-4 ☐ Casing Protection ☒ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)		
Grouting Information	Well Grouted? ☒ Yes ☐ No ☐ Not Specified	
Material bentonite	Amount 5 Sacks	From To ft. 50 ft.
Nearest Known Source of Contamination 59 feet North Direction Septic tank/drain field Type Well disinfected upon completion? ☒ Yes ☐ No		
Pump ☐ Not Installed	Date Installed 09/30/2016	
Manufacturer's name GOULDS		
Model Number 10LS05	HP 0.5	Volt 230
Length of drop pipe 85 ft	Capacity 12 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 Aquifer Last Strat Depth to Bedrock ft Located by Locate Method System UTM - NAD83, Zone 15, Meters X Y Unique Number Verification Input Date		
Angled Drill Hole		
Well Contractor Runyan Well Drilling 1903 LANDEY, STEVE Licensee Business Lic. or Reg. No. Name of Driller		

Minnesota Well Index Report	822225	Printed on 10/02/2026 HE-01205-15
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