

148343

County Winona
Quad Elba
Quad ID 48D

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

Entry Date 04/17/1988
Update Date 09/09/2014
Received Date

Well Name WORDEN,					Township 107	Range 10	Dir W	Section 3	Subsection ACCCC	Well Depth 132 ft.			Depth Completed 132 ft.			Date Well Completed 11/28/1982							
Elevation 780 ft.					Elev. Method 7.5 minute topographic map (+/- 5 feet)					Drill Method Cable Tool			Drill Fluid										
Address										Use domestic			Status Active										
Stratigraphy Information Geological Material From To (ft.) Color Hardness CLAY 0 37 BROWN SOFT SAND & GRAVEL 37 68 TAN SOFT CLAY 68 80 BROWN SOFT SHALE & SANDSTONE 80 132 GREEN MEDIUM										Well Hydrofractured?			Yes ☐		No ☐		From		To				
										Casing Type			Single casing			Joint			Welded				
										Drive Shoe?			Yes ☒		No ☐		Above/Below			1.5 ft.			
										Casing Diameter			Weight			Hole Diameter							
										6 in. To			87 ft. 18.97 lbs./ft.			6 in. To			132 ft.				
										Open Hole						From		87 ft.		To		132 ft.	
										Screen? ☐			Type			Make							
										Diameter			Slot/Gauze			Length			Set				
										0 in.						0 ft.			87 ft. 132 ft.				
										Static Water Level						56 ft.		land surface		Measure		11/28/1982	
Pumping Level (below land surface)						56 ft.		2 hrs.		Pumping at		20 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						80 feet		North Direction		Septic tank/drain field		Type											
Well disinfected upon completion?						☒ Yes		☐ No															
Pump ☐ Not Installed						Date Installed		11/28/1982															
Manufacturer's name						RED JACKET																	
Model Number						75 CN1		HP		0.75		Volt		230									
Length of drop pipe						65 ft		Capacity		14 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		Tunnel City/Lone Rock Fm		Aquifer		Tunnel City/Lone											
Last Strat						Tunnel City/Lone Rock Fm		Depth to Bedrock		80		ft											
Located by						Minnesota Geological Survey																	
Locate Method						Digitized - scale 1:24,000 or larger (Digitizing Table)																	
System						UTM - NAD83, Zone 15, Meters		X 579220		Y 4883458													
Unique Number Verification						Name on mailbox		Input Date		01/01/1990													
Angled Drill Hole																							
Well Contractor						Duryea Well Drilling		55213		HANSON, T.													
Licensee Business						Lic. or Reg. No.		Name of Driller															