

752536

County McLeod
Quad
Quad ID

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

Entry Date

Update Date08/12/2008

Received Date11/06/2007

Well Name STEFFEL, BOB	Township 117	Range 29	Dir W	Section 23	Subsection CCB	Well Depth 168 ft.	Depth Completed 158 ft.	Date Well Completed 10/15/2007																																																																																														
Elevation	Elev. Method					Drill Method Non-specified Rotary	Drill Fluid Bentonite																																																																																															
Address						Use domestic	Status Active																																																																																															
C/W21067 NATURE AV HUTCHINSON MN 55350						Well Hydrofractured? Yes ☐ No ☐	From	To																																																																																														
Stratigraphy Information <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></td></tr><tr><td>SANDY CLAY</td><td>2</td><td>5</td><td>LT. BRN</td><td></td></tr><tr><td>VERY SANDY CLAY</td><td>5</td><td>11</td><td>LT. YEL</td><td></td></tr><tr><td>MIXED CLAYS</td><td>11</td><td>13</td><td>LT. BRN</td><td></td></tr><tr><td>SILTY CLAY W/</td><td>13</td><td>22</td><td>GRAY</td><td></td></tr><tr><td>SANDY CLAY W/ FINE</td><td>22</td><td>33</td><td>GRAY</td><td></td></tr><tr><td>SANDY CLAY W/</td><td>33</td><td>48</td><td>GRAY</td><td></td></tr><tr><td>SANDY CLAY W/</td><td>48</td><td>77</td><td>GRAY</td><td>HARD</td></tr><tr><td>SAND TOOK H2O</td><td>77</td><td>82</td><td>BROWN</td><td></td></tr><tr><td>SANDY CLAY W/</td><td>82</td><td>84</td><td>GRAY</td><td></td></tr><tr><td>SANDY CLAY W/</td><td>84</td><td>110</td><td>GRAY</td><td></td></tr><tr><td>SAND</td><td>110</td><td>117</td><td></td><td></td></tr><tr><td>CLAY AND SAND</td><td>117</td><td>140</td><td>LT. GRY</td><td></td></tr><tr><td>SAND</td><td>140</td><td>142</td><td>BROWN</td><td></td></tr><tr><td>SAND DRILLED GOOD</td><td>142</td><td>150</td><td>GRAY</td><td></td></tr><tr><td>SANDY CLAY</td><td>150</td><td>153</td><td>GRAY</td><td></td></tr><tr><td>SAND</td><td>153</td><td>161</td><td>GRAY</td><td></td></tr><tr><td>SANDY CLAY W/</td><td>161</td><td>168</td><td>GRAY</td><td>HARD</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK		SANDY CLAY	2	5	LT. BRN		VERY SANDY CLAY	5	11	LT. YEL		MIXED CLAYS	11	13	LT. BRN		SILTY CLAY W/	13	22	GRAY		SANDY CLAY W/ FINE	22	33	GRAY		SANDY CLAY W/	33	48	GRAY		SANDY CLAY W/	48	77	GRAY	HARD	SAND TOOK H2O	77	82	BROWN		SANDY CLAY W/	82	84	GRAY		SANDY CLAY W/	84	110	GRAY		SAND	110	117			CLAY AND SAND	117	140	LT. GRY		SAND	140	142	BROWN		SAND DRILLED GOOD	142	150	GRAY		SANDY CLAY	150	153	GRAY		SAND	153	161	GRAY		SANDY CLAY W/	161	168	GRAY	HARD	Casing Type Single casing	Joint Glued
						Geological Material	From	To (ft.)	Color	Hardness																																																																																												
						TOP SOIL	0	2	BLACK																																																																																													
						SANDY CLAY	2	5	LT. BRN																																																																																													
						VERY SANDY CLAY	5	11	LT. YEL																																																																																													
						MIXED CLAYS	11	13	LT. BRN																																																																																													
						SILTY CLAY W/	13	22	GRAY																																																																																													
						SANDY CLAY W/ FINE	22	33	GRAY																																																																																													
						SANDY CLAY W/	33	48	GRAY																																																																																													
						SANDY CLAY W/	48	77	GRAY	HARD																																																																																												
SAND TOOK H2O	77	82	BROWN																																																																																																			
SANDY CLAY W/	82	84	GRAY																																																																																																			
SANDY CLAY W/	84	110	GRAY																																																																																																			
SAND	110	117																																																																																																				
CLAY AND SAND	117	140	LT. GRY																																																																																																			
SAND	140	142	BROWN																																																																																																			
SAND DRILLED GOOD	142	150	GRAY																																																																																																			
SANDY CLAY	150	153	GRAY																																																																																																			
SAND	153	161	GRAY																																																																																																			
SANDY CLAY W/	161	168	GRAY	HARD																																																																																																		
Drive Shoe?	Yes ☐ No ☒	Above/Below																																																																																																				
Casing Diameter 4 in.	To 154 ft.	Weight lbs./ft.	Hole Diameter 6.2 in.	To 168 ft.																																																																																																		
Open Hole	From	ft.	To	ft.																																																																																																		
Screen? ☒	Type stainless	Make JOHNSON																																																																																																				
Diameter 4 in.	Slot/Gauze 18	Length 4 ft.	Set 154 ft.	158 ft.																																																																																																		
Static Water Level																																																																																																						
27 ft.	land surface	Measure	10/15/2007																																																																																																			
Pumping Level (below land surface)																																																																																																						
74 ft.	hrs.	Pumping at	15	g.p.m.																																																																																																		
Wellhead Completion																																																																																																						
Pitless adapter manufacturer ☐ Casing Protection		MONITOR	Model 6PS45B54C0																																																																																																			
☐ At-grade (Environmental Wells and Borings ONLY)		☐ 12 in. above grade																																																																																																				
Grouting Information																																																																																																						
Well Grouted? ☒ Yes ☐ No ☐ Not Specified																																																																																																						
Material high solids bentonite	Amount 3 Sacks	From 6 ft.	To 76 ft.																																																																																																			
Nearest Known Source of Contamination																																																																																																						
75 feet		Northwes Direction		Septic tank/drain field Type																																																																																																		
Well disinfected upon completion?		☒ Yes ☐ No																																																																																																				
Pump																																																																																																						
☐ Not Installed		Date Installed09/06/2007																																																																																																				
Manufacturer's name AERMOTOR																																																																																																						
Model Number S12-50	HP 0.5	Volt 230																																																																																																				
Length of drop pipe 80 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																																																																																																						
LTP Enterprises, Inc.		2157	NELSON, D																																																																																																			
Licensee Business		Lic. or Reg. No.	Name of Driller																																																																																																			