

767171

County Fillmore
Quad Spring
Quad ID 3C

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

Entry Date08/20/2009
Update Date08/18/2014
Received Date02/01/2010

Well Name LARSON,	Township 101	Range 8	Dir W	Section 1	Subsection BBCDAD	Well Depth 400 ft.	Depth Completed 400 ft.	Date Well Completed 06/26/2009																																			
Elevation 1064	Elev. Method CALC FROM 2-FOOT COUNTY DEM					Drill Method Non-specified Rotary	Drill Fluid Foam																																				
Address C/W 45207 160TH ST MABEL MN 55954						Use domestic	Status Active																																				
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>DRIFT</td><td>0</td><td>20</td><td></td><td></td></tr><tr><td>SAND & GRAVEL</td><td>20</td><td>30</td><td></td><td></td></tr><tr><td>ROCK</td><td>30</td><td>70</td><td>BROWN</td><td></td></tr><tr><td>SANDROCK</td><td>70</td><td>180</td><td>BROWN</td><td></td></tr><tr><td>ROCK</td><td>180</td><td>270</td><td>GRAY</td><td></td></tr><tr><td>FRANCONIA</td><td>270</td><td>400</td><td></td><td></td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	DRIFT	0	20			SAND & GRAVEL	20	30			ROCK	30	70	BROWN		SANDROCK	70	180	BROWN		ROCK	180	270	GRAY		FRANCONIA	270	400			Well Hydrofractured? Yes ☐ No ☒ From To		
						Geological Material	From	To (ft.)	Color	Hardness																																	
						DRIFT	0	20																																			
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						FRANCONIA	270	400																																			
						Casing Type Step down Joint Welded																																					
						Drive Shoe? Yes ☒ No ☐ Above/Below																																					
Casing Diameter Weight Hole Diameter																																											
4 in. To 335 ft. lbs./ft. 8 in. To 335 ft.																																											
8 in. To 44 ft. lbs./ft. 4 in. To 400 ft.																																											
Open Hole From 335 ft. To 400 ft.																																											
Screen? ☐ Type Make																																											
Static Water Level 115 ft. land surface Measure 06/00/2009																																											
Pumping Level (below land surface) 200 ft. 2 hrs. Pumping at 10 g.p.m.																																											
Wellhead Completion Pitless adapter manufacturer MONITOR Model ☐ Casing Protection ☐ 12 in. above grade ☐ At-grade (Environmental Wells and Borings ONLY)																																											
Grouting Information Well Grouted? ☒ Yes ☐ No ☐ Not Specified																																											
Material Amount From To neat cement 7 Cubic yards 6 ft. 335 ft. pearock 4 Cubic yards 20 ft. 270 ft.																																											
Nearest Known Source of Contamination 50 feet East Direction Sewer Type Well disinfected upon completion? ☒ Yes ☐ No																																											
Pump ☐ Not Installed Date Installed 06/26/2009 Manufacturer's name J-CLASS Model Number HP 1 Volt 230 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 Prairie Du Chien/Oneota Aquifer Tunnel City- Last Strat Wonewoc Sandstone Depth to Bedrock 30 ft Located by Minnesota Department of Health Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 601061 Y 4826480 Unique Number Verification Info/GPS from data Input Date 07/28/2009																																											
Angled Drill Hole																																											
Well Contractor Larson Well Drilling 2029 LARSON, R. Licensee Business Lic. or Reg. No. Name of Driller																																											