

866824

County Brown
Quad Essig
Quad ID 77D

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

Entry Date03/28/2023
Update Date07/24/2023
Received Date04/03/2023

Well Name LINGLE, SHEA	Township 110	Range 31	Dir W	Section 34	Subsection ACBCDB	Well Depth 177 ft.	Depth Completed 177 ft.	Date Well Completed 03/09/2023																																																	
Elevation 989 ft.	Elev. Method Calc from NED (Natl.Elev.Dataset-30m)				Drill Method Non-specified Rotary	Drill Fluid Bentonite																																																			
Address C/W 22640 185TH AV NEW ULM MN 56073						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>SOIL</td><td>0</td><td>2</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY SAND</td><td>2</td><td>24</td><td>YELLOW</td><td>SOFT</td></tr><tr><td>CKLAY V SANDY</td><td>24</td><td>36</td><td>BLUE</td><td>SOFT</td></tr><tr><td>CLAY SNADY</td><td>36</td><td>71</td><td>GRAY</td><td>SOFT</td></tr><tr><td>MEDIUM SNAD</td><td>71</td><td>76</td><td>BROWN</td><td>SOFT</td></tr><tr><td>CLAY SNADY</td><td>76</td><td>79</td><td>GRAY</td><td></td></tr><tr><td>SAND MED FINE</td><td>79</td><td>111</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND SOME SNAD</td><td>111</td><td>122</td><td>GRAY</td><td></td></tr><tr><td>SAND MED FINE'</td><td>122</td><td>177</td><td>TAN</td><td>SOFT</td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	SOIL	0	2	BLACK	SOFT	CLAY SAND	2	24	YELLOW	SOFT	CKLAY V SANDY	24	36	BLUE	SOFT	CLAY SNADY	36	71	GRAY	SOFT	MEDIUM SNAD	71	76	BROWN	SOFT	CLAY SNADY	76	79	GRAY		SAND MED FINE	79	111	BROWN	SOFT	SAND SOME SNAD	111	122	GRAY		SAND MED FINE'	122	177	TAN	SOFT	Well Hydrofractured? Yes ☐ No ☒	From To
						Geological Material	From	To (ft.)	Color	Hardness																																															
						SOIL	0	2	BLACK	SOFT																																															
						CLAY SAND	2	24	YELLOW	SOFT																																															
						CKLAY V SANDY	24	36	BLUE	SOFT																																															
						CLAY SNADY	36	71	GRAY	SOFT																																															
						MEDIUM SNAD	71	76	BROWN	SOFT																																															
						CLAY SNADY	76	79	GRAY																																																
						SAND MED FINE	79	111	BROWN	SOFT																																															
						SAND SOME SNAD	111	122	GRAY																																																
SAND MED FINE'	122	177	TAN	SOFT																																																					
Casing Type Drive Shoe? Yes ☐ No ☒						Joint Above/Below																																																			
Casing Diameter 5 in. To 172 ft. 21 lbs./ft.						Hole Diameter 8 in. To 177 ft.																																																			
Open Hole From ft. To ft.																																																									
Screen? ☒ Type stainless Make JOHNSON																																																									
Diameter Slot/Gauze Length Set																																																									
5 in. 177 15 ft. 8 ft. 172 ft.																																																									
Static Water Level 120 ft. null Measure null																																																									
Pumping Level (below land surface) ft. hrs. Pumping at 20 g.p.m.																																																									
Wellhead Completion Pitless adapter manufacturer MAAS 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																																																									
cuttings 150 ft. 162 ft.																																																									
cuttings 7 Sacks 162 ft. 177 ft.																																																									
bentonite 20 Sacks ft. 150 ft.																																																									
Nearest Known Source of Contamination 35 feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No																																																									
Pump ☐ Not Installed Date Installed																																																									
Manufacturer's name SCHAEFER																																																									
Model Number HP 0.75 Volt																																																									
Length of drop pipe 140 ft Capacity 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 Minnesota Department of Health Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 377004 Y 4905477 Unique Number Verification Info/GPS from data Input Date 03/28/2023																																																									
Angled Drill Hole																																																									
Well Contractor Searles Well Drilling, Inc. 1493 KUCK, T Licensee Business Lic. or Reg. No. Name of Driller																																																									