

341893

County

Otter Tail

Quad

Henning SE

Quad ID

216D

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING REPORT

Minnesota Statutes Chapter 1031

Entry Date

02/24/2020

Update Date

02/27/2020

Received Date

04/25/2011

Well Name BRASEL FARMS Township 133 Range 37 Dir W Section 4 Subsection AAABBB	Well Depth 70 ft. Depth Completed 70 ft. Date Well Completed 03/31/2011																																													
Elevation 1408 Elev. Method LiDAR 1m DEM (MNDNR)	Drill Method Drill Fluid																																													
Address Contact32197 106 SH DEER CREEK MN 56527	Use irrigation Status Sealed																																													
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>SOFT</td></tr><tr><td>CLAY</td><td>2</td><td>5</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND & CLAY LAYERS</td><td>5</td><td>18</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>18</td><td>20</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY & SAND LAYERS</td><td>20</td><td>49</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>49</td><td>59</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>59</td><td>61</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>61</td><td>70</td><td>GRAY</td><td>MEDIUM</td></tr></table>	Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	2	BLACK	SOFT	CLAY	2	5	BROWN	MEDIUM	SAND & CLAY LAYERS	5	18	BROWN	MEDIUM	SAND	18	20	GRAY	MEDIUM	CLAY & SAND LAYERS	20	49	GRAY	MEDIUM	SAND	49	59	BROWN	MEDIUM	CLAY	59	61	GRAY	MEDIUM	SAND	61	70	GRAY	MEDIUM	Well Hydrofractured? Yes☐ No☐ From To Casing Type Joint Drive Shoe? Yes☐ No☐ Above/Below Casing Diameter Weight 12 in. To60 ft. lbs./ft.
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Open Hole From ft. To ft.	Screen? ☒ Type Make Diameter Slot/Gauze Length Set in.ft.ft.60 ft.70 ft.																																													
Static Water Level	5 ft. land surface Measure03/31/2011																																													
Pumping Level (below land surface)	ft. hrs. Pumping at 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																																														
Material Amount From To bentonite20 Sacksft.70 ft.																																														
Nearest Known Source of Contamination feet Direction Type																																														
Well disinfected upon completion? ☐ Yes☐ No																																														
Pump ☐ Not Installed Date Installed Manufacturer's name Model Number HP Volt Length of drop pipe ft Capacity g.p. Typ																																														
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 sand-gray Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or System UTM - NAD83, Zone 15, Meters X 319627 Y 5137723 Unique Number Verification Site Plan Input Date 02/27/2020																																														
Remarks TEST WELL	Angled Drill Hole																																													
	Well Contractor Steven M Traut Wells, Inc. 1889 DEAN Licensee Business Lic. or Reg. No. Name of Driller																																													