

743573

County Douglas
Quad Alexandria
Quad ID 180B

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

Entry Date06/15/2007
Update Date07/21/2021
Received Date12/11/2006

Well Name JOHNSTON,					Township 129		Range 38		Dir Section W 35		Subsection DADACB		Well Depth 92 ft.			Depth Completed 92 ft.			Date Well Completed 08/28/2006																																							
Elevation 1377					Elev. Method LiDAR 1m DEM (MNDNR)		Drill Method Non-specified Rotary												Drill Fluid Other																																							
Address Well COUNTRY ESTATES MN												Use domestic			Status Active																																											
Stratigraphy Information												Well Hydrofractured? Yes ☐ No ☒ From To																																														
<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>1</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>1</td><td>5</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>5</td><td>40</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>SANDY CLAY</td><td>40</td><td>50</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>50</td><td>55</td><td>GRAY</td><td>HARD</td></tr><tr><td>SAND</td><td>55</td><td>92</td><td>GRAY</td><td>MEDIUM</td></tr></table>												Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	1	BLACK	SOFT	CLAY	1	5	BROWN	MEDIUM	SAND	5	40	BROWN	MEDIUM	SANDY CLAY	40	50	GRAY	MEDIUM	CLAY	50	55	GRAY	HARD	SAND	55	92	GRAY	MEDIUM	Casing Type Single casing Joint						Drive Shoe? Yes ☐ No ☒ Above/Below					
Geological Material	From	To (ft.)	Color	Hardness																																																						
TOP SOIL	0	1	BLACK	SOFT																																																						
CLAY	1	5	BROWN	MEDIUM																																																						
SAND	5	40	BROWN	MEDIUM																																																						
SANDY CLAY	40	50	GRAY	MEDIUM																																																						
CLAY	50	55	GRAY	HARD																																																						
SAND	55	92	GRAY	MEDIUM																																																						
<table><tr><td>Casing Diameter</td><td colspan="2">Weight</td><td colspan="2">Hole Diameter</td></tr><tr><td>4 in. To</td><td>88 ft.</td><td>lbs./ft.</td><td>8 in. To</td><td>92 ft.</td></tr></table>												Casing Diameter	Weight		Hole Diameter		4 in. To	88 ft.	lbs./ft.	8 in. To	92 ft.	<table><tr><td>Open Hole</td><td>From</td><td>ft.</td><td>To</td><td>ft.</td></tr><tr><td>Screen? ☒</td><td>Type telescoping</td><td colspan="2">Make JOHNSON</td><td></td></tr><tr><td>Diameter</td><td>Slot/Gauze</td><td>Length</td><td>Set</td><td></td></tr><tr><td>4 in.</td><td>15</td><td>4 ft.</td><td>88 ft.</td><td>92 ft.</td></tr></table>												Open Hole	From	ft.	To	ft.	Screen? ☒	Type telescoping	Make JOHNSON			Diameter	Slot/Gauze	Length	Set		4 in.	15	4 ft.	88 ft.	92 ft.					
Casing Diameter	Weight		Hole Diameter																																																							
4 in. To	88 ft.	lbs./ft.	8 in. To	92 ft.																																																						
Open Hole	From	ft.	To	ft.																																																						
Screen? ☒	Type telescoping	Make JOHNSON																																																								
Diameter	Slot/Gauze	Length	Set																																																							
4 in.	15	4 ft.	88 ft.	92 ft.																																																						
Static Water Level												14 ft. land surface Measure 08/28/2006																																														
Pumping Level (below land surface)												91 ft. 2 hrs. Pumping at 75 g.p.m.																																														
Wellhead Completion												Pitless adapter manufacturer MAASS Model MM4J1 ☐ 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 bentonite 3 Sacks ft. 30 ft.																																														
Nearest Known Source of Contamination												feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No																																														
Pump ☐ Not Installed Date Installed 11/13/2006												Manufacturer's name GRUNDFOS Model Number 22SQE10- HP 1 Volt 240 Length of drop pipe 60 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 Quat. buried 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 312632 Y 5090033 Unique Number Verification Lot Block Input Date 07/13/2021																																														
Remarks LOCATION: COUNTRY ESTATES LOT 9 BLOCK 1 FLUID: SGX												Angled Drill Hole																																														
Well Contractor												Steven M Traut Wells, Inc. 1889 DEAN/DONOVAN Licensee Business Lic. or Reg. No. Name of Driller																																														