

567578

County Carlton
Quad Atkinson
Quad ID 225D

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

Entry Date 02/17/1997
Update Date 02/14/2014
Received Date

Well Name LIND, DOUGLAS Township 47 Range 18 Dir W Section 35 Subsection CBCCAA					Well Depth 260 ft.		Depth Completed 260 ft.		Date Well Completed 10/04/1996																																																			
Elevation 1080 Elev. Method Calc from DEM (USGS 7.5 min or equiv.)					Drill Method Non-specified Rotary		Drill Fluid Bentonite																																																					
Address Contact 4177 WALETZKO RD WILLOW RIVER MN 55795					Use domestic				Status Active																																																			
Stratigraphy Information <table><thead><tr><th>Geological Material</th><th>From</th><th>To (ft.)</th><th>Color</th><th>Hardness</th></tr></thead><tbody><tr><td>COARSE SAND</td><td>0</td><td>10</td><td>BROWN</td><td>SOFT</td></tr><tr><td>STICKY CLAY</td><td>10</td><td>40</td><td>GRAY</td><td>HARD</td></tr><tr><td>COARSE SAND</td><td>40</td><td>47</td><td>BROWN</td><td>SOFT</td></tr><tr><td>STICKY CLAY</td><td>47</td><td>75</td><td>BROWN</td><td>M.HARD</td></tr><tr><td>STICKY CLAY</td><td>75</td><td>85</td><td>BROWN</td><td>HARD</td></tr><tr><td>ROCKS & CLAY</td><td>85</td><td>95</td><td>RED</td><td>M.HARD</td></tr><tr><td>CLAY</td><td>95</td><td>232</td><td>BROWN</td><td>HARD</td></tr><tr><td>SANDY CLAY</td><td>232</td><td>254</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>MED. FINE SAND</td><td>254</td><td>260</td><td>RED</td><td>SOFT</td></tr></tbody></table>					Geological Material	From	To (ft.)	Color	Hardness	COARSE SAND	0	10	BROWN	SOFT	STICKY CLAY	10	40	GRAY	HARD	COARSE SAND	40	47	BROWN	SOFT	STICKY CLAY	47	75	BROWN	M.HARD	STICKY CLAY	75	85	BROWN	HARD	ROCKS & CLAY	85	95	RED	M.HARD	CLAY	95	232	BROWN	HARD	SANDY CLAY	232	254	BROWN	MEDIUM	MED. FINE SAND	254	260	RED	SOFT	Well Hydrofractured? Yes ☐ No ☐		From		To	
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Casing Type Single casing					Joint Threaded																																																							
Drive Shoe? Yes ☐ No ☒					Above/Below																																																							
Casing Diameter 4 in.					Weight 254 ft. 11 lbs./ft.		Hole Diameter 7 in. To 215 ft. 6.2 in. To 260 ft.																																																					
Open Hole					From ft.		To ft.																																																					
Screen? ☒					Type stainless		Make JOHNSON																																																					
Diameter 2 in.					Slot/Gauze 7		Length 6 ft. Set 254 ft. 260 ft.																																																					
Static Water Level					-1 ft. land surface		Measure 10/04/1996																																																					
Pumping Level (below land surface)					75 ft. 1 hrs. Pumping at		18 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 bentonite					Amount 2 Sacks		From 0 ft. To 30 ft.																																																					
Nearest Known Source of Contamination					50 feet Southeast Direction		Septic tank/drain field Type																																																					
Well disinfected upon completion?					☒ Yes ☐ No																																																							
Pump ☐ Not Installed					Date Installed 10/04/1996																																																							
Manufacturer's name GOULDS																																																												
Model Number 10GS05412					HP 0.5		Volt 230																																																					
Length of drop pipe 49 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		Aquifer Quat. buried																																																					
Last Strat sand-red					Depth to Bedrock		ft																																																					
Located by Carlton Cty. Soil & Water Cons. Dist.																																																												
Locate Method Digitization (Screen) - Map (1:24,000) (15 meters or																																																												
System UTM - NAD83, Zone 15, Meters					X 531148		Y 5150724																																																					
Unique Number Verification					Input Date 03/30/2000																																																							
Angled Drill Hole																																																												
Well Contractor					Rosga Well Co. 58069		FRYE, F.																																																					
Licensee Business					Lic. or Reg. No.		Name of Driller																																																					