

124589

County Otter Tail
Quad Cormorant
Quad ID 239A

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

Entry Date04/17/1988
Update Date06/05/2019
Received Date04/15/1981

Well Name HANSON, EDNA					Township 137	Range 43	Dir W	Section 28	Subsection DBDACD	Well Depth 223 ft.		Depth Completed 223 ft.		Date Well Completed 08/02/1979																																																
Elevation 1391					Elev. Method LiDAR 1m DEM (MNDNR)					Drill Method Cable Tool		Drill Fluid																																																		
Address WellRR 2 PELICAN RAPIDS MN										Use domestic		Status Active																																																		
										Well Hydrofractured?		Yes ☐		No ☐		From		To																																												
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>3</td><td>BLACK</td><td>SOFT</td></tr><tr><td>CLAY</td><td>3</td><td>35</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>SANDY/DRY</td><td>35</td><td>52</td><td>BROWN</td><td>HARD</td></tr><tr><td>CLAY</td><td>52</td><td>75</td><td>YELLOW</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>75</td><td>159</td><td>BLUE</td><td>SOFT</td></tr><tr><td>SAND</td><td>159</td><td>160</td><td>GRAY</td><td>SOFT</td></tr><tr><td>CLAY-SANDY</td><td>160</td><td>212</td><td>BLUE</td><td>SOFT</td></tr><tr><td>SAND-COURSE</td><td>212</td><td>223</td><td>GRAY</td><td>HARD</td></tr></table>										Geological Material	From	To (ft.)	Color	Hardness	TOP SOIL	0	3	BLACK	SOFT	CLAY	3	35	YELLOW	MEDIUM	SANDY/DRY	35	52	BROWN	HARD	CLAY	52	75	YELLOW	MEDIUM	CLAY	75	159	BLUE	SOFT	SAND	159	160	GRAY	SOFT	CLAY-SANDY	160	212	BLUE	SOFT	SAND-COURSE	212	223	GRAY	HARD	Casing Type Single casing		Joint Threaded					
										Geological Material	From	To (ft.)	Color	Hardness																																																
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Drive Shoe?		Yes ☒		No ☐		Above/Below																																																								
Casing Diameter		Weight																																																												
4 in.		To 219 ft.		lbs./ft.																																																										
Open Hole		From		ft.		To		ft.																																																						
Screen? ☒		Type stainless		Make JOHNSON																																																										
Diameter		Slot/Gauze		Length		Set																																																								
4 in.		18		4 ft.		219 ft.		223 ft.																																																						
Static Water Level										70 ft.		land surface		Measure		08/02/1979																																														
Pumping Level (below land surface)										70 ft.		1 hrs.		Pumping at		10 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																																														
Nearest Known Source of Contamination										100 feet		East Direction				Sewer Type																																														
										Well disinfected upon completion?		☐ Yes		☐ No																																																
Pump ☐ Not Installed										Date Installed		08/08/1979																																																		
Manufacturer's name										FLINT-WALLING																																																				
Model Number										5AB8		HP 0.5		Volt 230																																																
Length of drop pipe										105 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-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 261559		Y 5170961																																																
Unique Number Verification										Site Plan		Input Date		01/28/2019																																																
Angled Drill Hole																																																														
Well Contractor										Robertson Well Co.		26144		HARVEGO, P.																																																
										Licensee Business		Lic. or Reg. No.		Name of Driller																																																