

823591

County Otter Tail
Quad Cormorant
Quad ID 239A

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

Entry Date10/03/2017
Update Date08/29/2018
Received Date01/26/2018

Well Name RATH, LYLE	Township 137	Range 42	Dir Section W 6	Subsection BDBBBD															
Elevation 1322.2	Elev. Method LiDAR 1m DEM (MNDNR)																		
Address Contact3146 10TH ST N FARGO ND 58102 Well21814 20 CH PELICAN RAPIDS MN 56572																			
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>SAND</td><td>0</td><td>14</td><td>BROWN</td><td>SOFT</td></tr><tr><td>SAND</td><td>14</td><td>65</td><td>GRAY</td><td>SOFT</td></tr></table>					Geological Material	From	To (ft.)	Color	Hardness	SAND	0	14	BROWN	SOFT	SAND	14	65	GRAY	SOFT
Geological Material	From	To (ft.)	Color	Hardness															
SAND	0	14	BROWN	SOFT															
SAND	14	65	GRAY	SOFT															
Well Depth 65 ft.					Depth Completed 65 ft.	Date Well Completed 04/05/2017													
Drill Method Non-specified Rotary		Drill Fluid Additive (+ Bentonite)																	
Use domestic			Status Active																
Well Hydrofractured? Yes ☐ No ☐					From		To												
Casing Type Single casing					Joint Unknown														
Drive Shoe? Yes ☐ No ☐					Above/Below														
Casing Diameter 4 in.		Weight 60 ft.		Hole Diameter 7.8 in.		20 ft.													
						6.7 in. 65 ft.													
Open Hole Fromft.Toft.																			
Screen? ☒					Type stainless		Make JOHNSON												
Diameter 4 in.		Slot/Gauze 15		Length 5 ft.		Set 60 ft.		ft. 65											
Static Water Level 6 ft.					land surface		Measure		10/27/2017										
Pumping Level (below land surface) 65 ft.					2 hrs.		Pumping at		40 g.p.m.										
Wellhead Completion Pitless adapter manufacturer					MONITOR		Model B4B0												
☐ Casing Protection					☒ 12 in. above grade														
☐ At-grade (Environmental Wells and Borings ONLY)																			
Grouting Information Materialbentonite					Well Grouted? ☒ Yes ☐ No ☐ Not Specified														
					Amount3 Sacks		Fromft. Toft. 50 ft.												
Nearest Known Source of Contamination 40 feet					South Direction		Body of water Type												
Well disinfected upon completion?					☒ Yes ☐ No														
Pump ☐ Not Installed					Date Installed		04/05/2017												
Manufacturer's name					FLOWISE														
Model Number		10P4S05-		HP		0.5		Volt	230										
Length of drop pipe		20 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 Department of Health														
Locate Method					GPS SA Off (averaged) (15 meters)														
System		UTM - NAD83, Zone 15, Meters		X		267509		Y	5177824										
Unique Number Verification		Info/GPS from data		Input Date		06/05/2017													
Angled Drill Hole																			
Well Contractor Antonsen Well Drilling, Inc.					2147		FREEMAN, M.												
Licensee Business		Lic. or Reg. No.		Name of Driller															
Minnesota Well Index Report					823591		Printed on 10/02/2026 HE-01205-15												