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County Otter Tail
Quad Pelican
Quad ID 239D

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

Entry Date 06/27/1991
Update Date 04/19/2021
Received Date

Well Name CURFMAN, RICH 136	Township 43	Range W 13	Dir Section ABBCAD	Subsection 7.5 minute topographic map (+/- 5 feet)
Elevation 1350	Elev. Method 7.5 minute topographic map (+/- 5 feet)			
Address C/W RR 4 PELICAN RAPIDS MN 56572				
Stratigraphy Information				
Geological Material	From	To (ft.)	Color	Hardness
CLAY	0	16	YELLOW	HARD
CLAY	16	30	BLUE	HARD
CLAY-SAND	30	48	BLU/BRN	SOFT
SAND	48	57	BROWN	SOFT
SAND-GRAVEL	57	61	GRAY	SOFT

Well Depth 61 ft.	Depth Completed 61 ft.	Date Well Completed 07/10/1990
Drill Method Non-specified Rotary	Drill Fluid Bentonite	
Use domestic	Status Active	
Well Hydrofractured? Yes ☐ No ☐	From To	
Casing Type Single casing	Joint Above/Below	1 ft.
Drive Shoe? Yes ☐ No ☒	Drive Shoe? Yes ☐ No ☒	
Casing Diameter 4 in. To 56 ft.	Weight lbs./ft.	Hole Diameter 8 in. To 40 ft. 6.7 in. To 61 ft.
Open Hole From ft. To ft.		
Screen? ☒	Type stainless	Make JOHNSON
Diameter 4 in.	Slot/Gauze 18	Length 5 ft.
Set 56 ft.	Measure 61 ft.	
Static Water Level 44 ft. land surface Measure 07/10/1990		
Pumping Level (below land surface) 61 ft. 1 hrs. Pumping at 60 g.p.m.		
Wellhead Completion Pitless adapter manufacturer MONITOR Model 7PS45BS4C1 ☐ 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 neat cement 4 Sacks 9 ft. 40 ft.		
Nearest Known Source of Contamination 85 feet West Direction Barnyard Type Well disinfected upon completion? ☒ Yes ☐ No		
Pump ☐ Not Installed Date Installed 08/10/1990 Manufacturer's name GRUNFOS Model Number 16-507-8- HP 0.75 Volt 230 Length of drop pipe 45 ft Capacity 16 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 +larger-gray Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method Digitized - scale 1:24,000 or larger (Digitizing Table) System UTM - NAD83, Zone 15, Meters X 267504 Y 5164720 Unique Number Verification Information from Input Date 01/01/1990		
Angled Drill Hole		
Well Contractor Antonsen Well Co. 56132 DAVE & JERRY Licensee Business Lic. or Reg. No. Name of Driller		