

472644

County Aitkin
Quad Spirit Lake
Quad ID 209B

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

Entry Date 02/26/1991
Update Date 08/28/2017
Received Date

Well Name BICKFORD, RON	Township 46	Range 26	Dir Section W 19	Subsection ADCADD
Elevation 1248	Elev. Method LiDAR 1m DEM (MNDNR)			
Address Contact 22550 XENON ST NW ELK RIVER MN 55330				
Stratigraphy Information				
Geological Material	From	To (ft.)	Color	Hardness
SAND	0	10	BROWN	SOFT
CLAY	10	30	BROWN	SFT-MED
CLAY	30	50	BROWN	MEDIUM
SAND	50	52	BROWN	SOFT
CLAY	52	79	GRAY	SFT-MED
SAND	79	87	GRAY	SOFT

Well Depth 87 ft.	Depth Completed 87 ft.	Date Well Completed 11/06/1990
Drill Method Non-specified Rotary	Drill Fluid Bentonite	
Use domestic	Status Active	
Well Hydrofractured? Yes ☐ No ☐ From To		
Casing Type Single casing	Joint	
Drive Shoe? Yes ☐ No ☒	Above/Below 1 ft.	
Casing Diameter 4 in. To 79 ft. 2 lbs./ft.	Weight	Hole Diameter 8.8 in. To 87 ft.
Open Hole From ft. To ft.		
Screen? ☒	Type stainless	Make COOK
Diameter 2 in.	Slot/Gauze 12	Length 8 ft. Set 79 ft. 87 ft.
Static Water Level 20 ft. land surface Measure 11/06/1990		
Pumping Level (below land surface)		
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		
Material	Amount	From To
neat cement		10 ft. 40 ft.
bentonite		40 ft. 70 ft.
Nearest Known Source of Contamination 70 feet <u>Northeas</u> Direction <u>Septic tank/drain field</u> Type Well disinfected upon completion? ☒ Yes ☐ No		
Pump ☒ Not Installed	Date Installed	
Manufacturer's name		
Model Number	HP	Volt
Length of drop pipe ft	Capacity	g.p. Typ
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 Last Strat sand-gray Aquifer Quat. buried Depth to Bedrock ft Located by Minnesota Geological Survey Locate Method GPS SA Off (averaged) (15 meters) System UTM - NAD83, Zone 15, Meters X 448793 Y 5144748 Unique Number Verification Site Plan Input Date 02/23/2016		
Angled Drill Hole		
Well Contractor Northland Well Co. 49397 LONGANECKER, Licensee Business Lic. or Reg. No. Name of Driller		