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County Otter Tail
Quad Eagle Bend
Quad ID 197B

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

Entry Date 08/23/2019
Update Date 09/04/2019
Received Date 01/10/2019

Well Name KRANTZ, JIM Elevation 1433.7 Address C/W 60026 40 CR PARKERS PRAIRIE MN 56361 Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>FINE SAND</td><td>0</td><td>35</td><td>BROWN</td><td>MEDIUM</td></tr><tr><td>CLAY</td><td>35</td><td>54</td><td>GRAY</td><td>MEDIUM</td></tr><tr><td>SAND</td><td>54</td><td>61</td><td>GRAY</td><td>MEDIUM</td></tr></table>	Geological Material	From	To (ft.)	Color	Hardness	FINE SAND	0	35	BROWN	MEDIUM	CLAY	35	54	GRAY	MEDIUM	SAND	54	61	GRAY	MEDIUM	Well Depth 61 ft. Drill Method Non-specified Rotary Use domestic Well Hydrofractured? Yes ☐ No ☐ Casing Type Drive Shoe? Yes ☐ No ☐ Casing Diameter 4 in. To 57 ft. 2.3 lbs./ft. Open Hole From ft. To ft. Screen? ☒ Slot/Gauze Diameter 4 in. Length 15 ft. Static Water Level 11 ft. null Measure 09/27/2018 Pumping Level (below land surface) 57 ft. 1 hrs. Pumping at 100 g.p.m. Wellhead Completion Pitless adapter manufacturer MAAS 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 other ft. 47 ft. Nearest Known Source of Contamination 72 feet West Direction Sewer Type Well disinfected upon completion? ☒ Yes ☐ No Pump ☐ Not Installed Date Installed 10/02/2018 Manufacturer's name SCHAEFFER Model Number HP 0.5 Volt 230 Length of drop pipe 20 ft Capacity 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 Last Strat sand-gray Aquifer Quat. buried 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 327380 Y 5122958 Unique Number Verification Site Plan Input Date 08/29/2019 Angled Drill Hole Well Contractor Klimek Bros. Well Drilling, 1864 KLIMEK, J Licensee Business Lic. or Reg. No. Name of Driller
Geological Material	From	To (ft.)	Color	Hardness																	
FINE SAND	0	35	BROWN	MEDIUM																	
CLAY	35	54	GRAY	MEDIUM																	
SAND	54	61	GRAY	MEDIUM																	
Remarks																					