

594877

County Clay
Quad Ulen SW
Quad ID 284C

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

Entry Date 07/02/1998
Update Date 03/10/2014
Received Date

Well Name BJORHUS,	Township 142	Range 45	Dir W	Section 9	Subsection CCCCAB	Well Depth 167 ft.	Depth Completed 160 ft.	Date Well Completed 08/14/1997																																																		
Elevation 953 ft.	Elev. Method CALC FROM 2-FOOT COUNTY DEM				Drill Method Non-specified Rotary	Drill Fluid Bentonite																																																				
Address C/W 19002 190TH ST N MABEL MN 56585						Use domestic	Status Active																																																			
Stratigraphy Information <table><tr><td>Geological Material</td><td>From</td><td>To (ft.)</td><td>Color</td><td>Hardness</td></tr><tr><td>TOPSOIL</td><td>0</td><td>1</td><td>BLACK</td><td></td></tr><tr><td>SAND & GRAVEL</td><td>1</td><td>24</td><td>VARIED</td><td></td></tr><tr><td>SANDY CLAY</td><td>24</td><td>68</td><td>GRAY</td><td></td></tr><tr><td>ROCK</td><td>68</td><td>69</td><td></td><td>HARD</td></tr><tr><td>SANDY CLAY</td><td>69</td><td>82</td><td>GRAY</td><td></td></tr><tr><td>ROCK</td><td>82</td><td>83</td><td></td><td>HARD</td></tr><tr><td>SANDY CLAY WITH</td><td>83</td><td>147</td><td>GRAY</td><td>HARD</td></tr><tr><td>SAND-FINE</td><td>147</td><td>162</td><td>GRAY</td><td></td></tr><tr><td>SANDY CLAY</td><td>162</td><td>167</td><td>GRAY</td><td></td></tr></table>						Geological Material	From	To (ft.)	Color	Hardness	TOPSOIL	0	1	BLACK		SAND & GRAVEL	1	24	VARIED		SANDY CLAY	24	68	GRAY		ROCK	68	69		HARD	SANDY CLAY	69	82	GRAY		ROCK	82	83		HARD	SANDY CLAY WITH	83	147	GRAY	HARD	SAND-FINE	147	162	GRAY		SANDY CLAY	162	167	GRAY		Well Hydrofractured? Yes ☐ No ☐ From To		
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Casing Type Single casing			Joint Welded																																																							
Drive Shoe? Yes ☐ No ☒			Above/Below																																																							
Casing Diameter 4 in. To 148 ft. 0 lbs./ft.			Hole Diameter 8 in. To 167 ft.																																																							
Open Hole <table><tr><td>Screen? ☒</td><td>Type stainless</td><td>Make JOHNSON</td></tr><tr><td>Diameter</td><td>Slot/Gauze</td><td>Length</td><td>Set</td></tr><tr><td>4 in.</td><td>12</td><td>12 ft.</td><td>148 ft. 160 ft.</td></tr></table>						Screen? ☒	Type stainless	Make JOHNSON	Diameter	Slot/Gauze	Length	Set	4 in.	12	12 ft.	148 ft. 160 ft.																																										
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4 in.	12	12 ft.	148 ft. 160 ft.																																																							
Static Water Level 2 ft. land surface Measure 08/14/1997																																																										
Pumping Level (below land surface) 120 ft. 1 hrs. Pumping at 10 g.p.m.																																																										
Wellhead Completion Pitless adapter manufacturer MONIOTOR Model 7PS45 ☐ 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 5 Sacks 10 ft. 30 ft.																																																										
Nearest Known Source of Contamination feet Direction Type Well disinfected upon completion? ☒ Yes ☐ No																																																										
Pump ☐ Not Installed Date Installed 07/22/1997 Manufacturer's name AERMOTOR Model Number 12B-50 HP 0.5 Volt 230 Length of drop pipe 135 ft Capacity 12 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 clay+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 241644 Y 522444 Unique Number Verification Tag on well Input Date 04/01/2010																																																										
Angled Drill Hole																																																										
Well Contractor L.t.p. Enterprises, Inc. 91686 OLSON, S. Licensee Business Lic. or Reg. No. Name of Driller																																																										