

724188

County Winona
Quad Altura
Quad ID 47C

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

Entry Date
Update Date 08/18/2014
Received Date 04/14/2006

Well Name BROSIG, MARK	Township 107	Range 10	Dir W	Section 1	Subsection DBABDC	Well Depth 652 ft.	Depth Completed 652 ft.	Date Well Completed 07/29/2005
Elevation 1167	Elev. Method CALC FROM 2-FOOT COUNTY DEM					Drill Method Non-specified Rotary	Drill Fluid Foam	
Address Well 15587 BROSIG DR ALTURA MN						Use domestic	Status Active	
						Well Hydrofractured? Yes ☐ No ☒	From	To
						Casing Type Step down	Joint Welded	
						Drive Shoe? Yes ☒ No ☐	Above/Below	
Stratigraphy Information						Casing Diameter	Weight	Hole Diameter
Geological Material		From	To (ft.)	Color	Hardness	6 in. To	474 ft. 0 lbs./ft.	14 in. To 50 ft.
CLAY		0	13	BROWN	SOFT	10 in. To	50 ft. lbs./ft.	474 ft.
LIMESTONE		13	15	BROWN	MEDIUM			
SANDSTONE		15	19	TAN	SOFT			
SANDSTONE		19	47	TAN	SFT-MED			
LIMESTONE		47	219	TAN	MEDIUM			
SANDSTONE		219	329	ORANGE	SFT-MED			
LIMESTONE		329	344	TAN	MEDIUM			
LIMESTONE		344	394	GRAY	MEDIUM			
LIMESTONE		394	414	TAN	MEDIUM			
SANDSTONE & SHALE		414	434	BROWN	MEDIUM			
SANDSTONE & SHALE		434	532	GREEN	MEDIUM			
SANDSTONE & SHALE		532	568	GREEN	HARD			
SANDSTONE		568	652	GRAY	SFT-MED			
						Open Hole From 474 ft. To 652 ft.		
						Screen? ☐	Type	Make
						Static Water Level		
						395 ft. land surface	Measure	07/29/2005
						Pumping Level (below land surface)		
						405 ft. 2 hrs. Pumping at	15 g.p.m.	
						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	13.7 Cubic yards	0 ft. 474 ft.
						pearock	0.25 Cubic yards	47 ft. 219 ft.
						neat cement	0.25 Cubic yards	ft. 50 ft.
						Nearest Known Source of Contamination		
						50 feet	Direction	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	Shakopee/Willow River	Aquifer Tunnel City-
						Last Strat	Wonewoc Sandstone	Depth to Bedrock 13 ft
						Located by Minnesota Geological Survey		
						Locate Method GPS SA Off (averaged) (15 meters)		
						System	UTM - NAD83, Zone 15, Meters	X 582769 Y 4883307
						Unique Number Verification	Tax Records	Input Date 04/07/2011
						Angled Drill Hole		
						Well Contractor		
						Thein Well Co.	55079	DOWELL, D.
						Licensee Business	Lic. or Reg. No.	Name of Driller