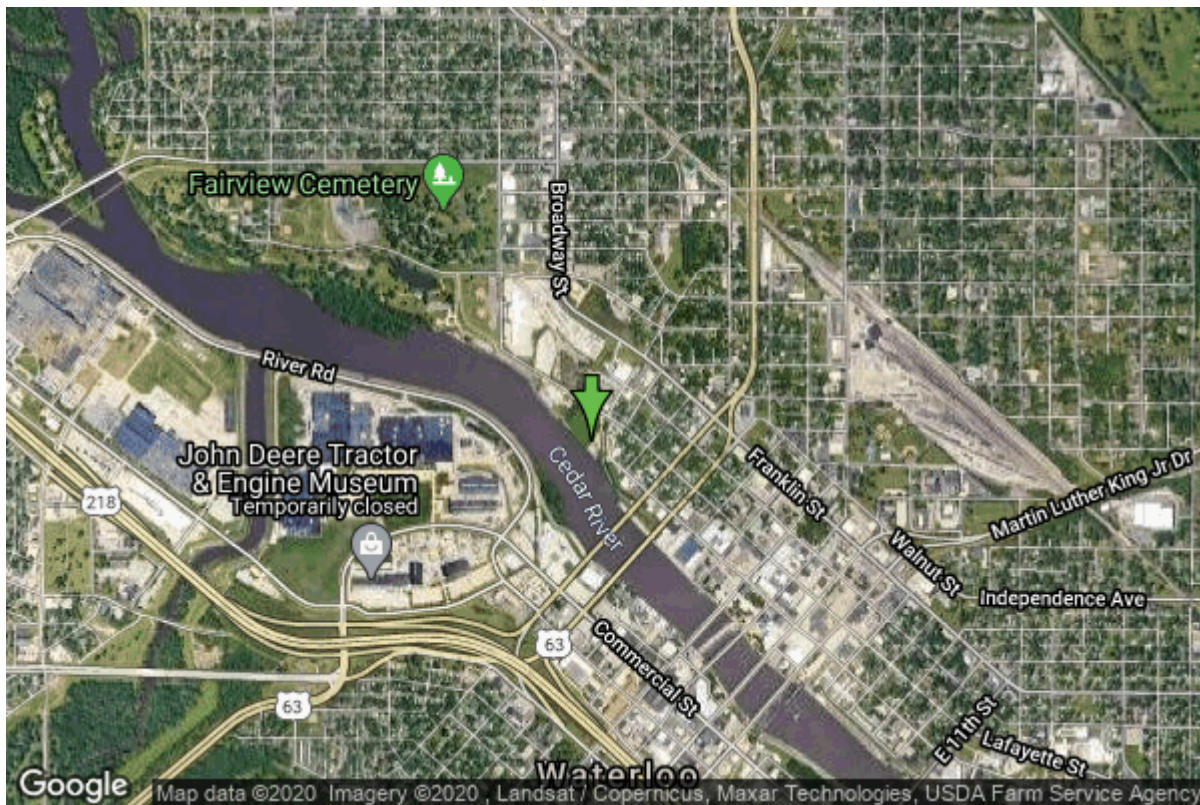


Well W#312 Information



Date Received		State	Iowa
Owner Name	Waterloo, City Of	County	Black Hawk
Alt Name	Well #2	Quadrangle	Waterloo North, Iowa
WNumber	312	Township	T89N
PWTS ID	0	Range	R13W
PWS ID	790074	Section	23
Storet ID	0	Quarter	SE NW SE
SDWIS ID	0	Latitude	42.5032820000
USGS ID	0	Longitude	-92.3430040000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	553980
		UTM Y	4705867

Site Type	Drilled hole	Drilling Company	Unknown
Well Status	Not Used	Drilling Date	01/01/1907
Field Located	No	Drilling Method	Unknown
Elevation	849 ft	Bedrock Depth	0 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	1377 ft
Landscape Position	Unknown	Total Depth	1377 ft
		Well Types	Municipal
		Aquifers	Cambrian-Ordovician, Ordovician (abv St. Peter)

Casing Construction Information

Date	01/01/1907	Casing Type	Unknown
Start Depth	0.00 ft	End Depth	139.30 ft
Diameter	20.00 in	Amount	0.00 ft
Comments			

Date	01/01/1907	Casing Type	Unknown
Start Depth	0.00 ft	End Depth	201.20 ft
Diameter	16.00 in	Amount	0.00 ft
Comments			

Date	01/01/1907	Casing Type	Unknown
Start Depth	0.00 ft	End Depth	626.00 ft
Diameter	9.00 in	Amount	0.00 ft
Comments			

Log Information

Date	04/11/1960
Log Types	Strip log
Prepared By	Campbell, Russell Boone
Comments	

Date	12/12/1941
Log Types	Strip log
Prepared By	Carrier, J.B.
Comments	

Date	01/01/1939
Log Types	Strip log
Prepared By	Carmody, R.A.
Comments	

Date	
Log Types	Drillers log
Prepared By	Waterloo, City Of
Comments	

Date	
Log Types	Strip log
Prepared By	Screven, Ruth E. Wehner
Comments	

Stratigraphy Information

System	Devonian		
Series			
Group	Cedar Valley		
Formation	Little Cedar		
Member	Bassett		
Submember			
Start Depth	0.00 ft	End Depth	90.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Devonian		
Series			
Group	Wapsipinicon		
Formation	Pinicon Ridge		
Member			
Submember			
Start Depth	90.00 ft	End Depth	150.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Limestone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Silurian		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	150.00 ft	End Depth	225.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group			
Formation	Maquoketa		

Member			
Submember			
Start Depth	225.00 ft	End Depth	510.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	0
Secondary Lithology	Dolomite	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Dubuque		
Member			
Submember			
Start Depth	510.00 ft	End Depth	550.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Wise Lake		
Member			
Submember			
Start Depth	550.00 ft	End Depth	630.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Dunleith		
Member			
Submember			
Start Depth	630.00 ft	End Depth	720.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	

Tertiary Lithology	Percent		
Comments			
System	Ordovician		
Series			
Group	Galena		
Formation	Decorah/Platteville Undiff.		
Member			
Submember			
Start Depth	720.00 ft	End Depth	795.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Limestone	Percent	0
Tertiary Lithology		Percent	
Comments			
System	Ordovician		
Series			
Group	Ancell		
Formation	Glenwood		
Member			
Submember			
Start Depth	795.00 ft	End Depth	815.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Ordovician		
Series			
Group	Ancell		
Formation	St. Peter Sandstone		
Member			
Submember			
Start Depth	815.00 ft	End Depth	860.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation	Shakopee		

Member			
Submember			
Start Depth	860.00 ft	End Depth	1085.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Sandstone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation	Oneota		
Member			
Submember			
Start Depth	1085.00 ft	End Depth	1235.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Chert/Chalcedony	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group			
Formation	Jordan		
Member			
Submember			
Start Depth	1235.00 ft	End Depth	1377.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	01/01/1907	Start Time	
Aquifer	Unknown		
Static Water Level	40.00 ft	Yield	850 gallons per minute
Pumping Water Level	0 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	Yes
Pump Method	Unknown	Duration	0 mins
Comments			

Chip Storage Information

Date		Bin	
Storage	WC3-6,7	Number of Samples	100
Number of Boxes	2	Sample Gaps	0-15
Sample Intervals	0	Sample Bottom	1377 ft
Sample Top	15 ft	Washed Bottom	0 ft
Washed Top	0 ft		
Duplicate Storage	WS: CD13-6		
Comments			

<https://www.iihr.uiowa.edu/igs/geosam/well/312/general-information>