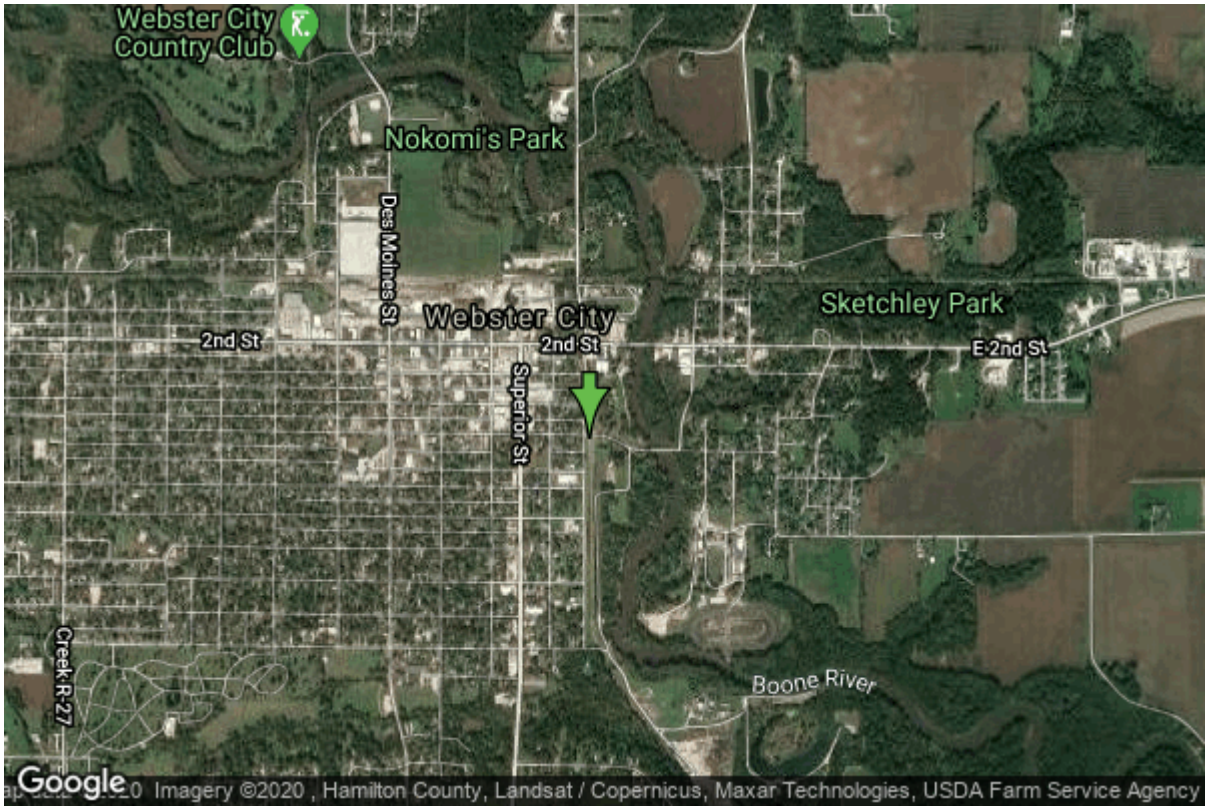
Well W#45712 Information



Date Received		**State**	Iowa
Owner Name	Webster City, City Of	**County**	Hamilton
Alt Name	#7	**Quadrangle**	Webster City, Iowa
WNumber	45712	**Township**	T88N
PWTS ID	0	**Range**	R25W
PWS ID	4063094	**Section**	6
Storet ID	0	**Quarter**	NW SW NE
SDWIS ID	2576949	**Latitude**	42.4663800000
USGS ID	0	**Longitude**	-93.8122200000
Project	Source Water Protection	**Accuracy**	
Operator	Unknown	**UTM X**	433227
		UTM Y	4701880

Site Type	Drilled hole	**Drilling Company**	Cahoy Inc.
Well Status	Active	**Drilling Date**	01/01/1998
Field Located	No	**Drilling Method**	Unknown
Elevation	1023 ft	**Bedrock Depth**	150 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	**Well Depth**	1980 ft
		Total Depth	1980 ft
Landscape Position	Unknown	**Well Types**	Municipal, Public Supply
		Aquifers	Cambrian-Ordovician, Ordovician

Casing Construction Information

Date	08/02/2006	**Casing Type**	Steel
Start Depth	0.00 ft	**End Depth**	474.00 ft
Diameter	20.00 in	**Amount**	474.00 ft
Comments			

Date	08/02/2006	**Casing Type**	Steel
Start Depth	0.00 ft	**End Depth**	1015.00 ft
Diameter	16.00 in	**Amount**	1015.00 ft
Comments			

Log Information

Date	07/08/2008
Log Types	Strip log
Prepared By	Bounk, Michael Joseph
Comments	

Date	
Log Types	Unknown
Prepared By	IGS
Comments	

Stratigraphy Information

System	Quaternary		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	0.00 ft	**End Depth**	150.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sand And Gravel	**Percent**	100
Secondary Lithology		**Percent**	
Tertiary Lithology		**Percent**	
Comments			

System	Mississippian (Subsystem Of Carboniferous System)
Series	
Group	Sub-Augusta
Formation	Gilmore City
Member	
Submember	

Start Depth	150.00 ft	**End Depth**	235.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	70
Secondary Lithology	Sand And Gravel	**Percent**	20
Tertiary Lithology	Dolomite	**Percent**	10
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	Sub-Augusta		
Formation	Gilmore City		
Member	Iowa Falls Dolomite		
Submember			
Start Depth	235.00 ft	**End Depth**	337.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	60
Secondary Lithology	Chert/Chalcedony	**Percent**	40
Tertiary Lithology		**Percent**	
Comments			

System	Devonian		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	337.00 ft	**End Depth**	370.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Siltstone	**Percent**	75
Secondary Lithology	Dolomite	**Percent**	15
Tertiary Lithology	Limestone	**Percent**	10
Comments			

System	Devonian		
Series			
Group	Yellow Spring (New Albany)		
Formation	Lime Creek		
Member			
Submember			
Start Depth	370.00 ft	**End Depth**	540.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	60
Secondary Lithology	Dolomite	**Percent**	40
Tertiary Lithology		**Percent**	
Comments			

System	Devonian		
Series			
Group	Cedar Valley		
Formation			
Member			
Submember			
Start Depth	540.00 ft	**End Depth**	830.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	80
Secondary Lithology	Gypsum/Anhydrite	**Percent**	18
Tertiary Lithology	Chert/Chalcedony	**Percent**	2
Comments			

System	Devonian		
Series			
Group	Cedar Valley		
Formation	Coralville		
Member			
Submember			
Start Depth	830.00 ft	**End Depth**	870.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	70
Secondary Lithology	Gypsum/Anhydrite	**Percent**	30
Tertiary Lithology		**Percent**	
Comments			

System	Devonian		
Series			
Group	Cedar Valley		
Formation	Little Cedar		
Member			
Submember			
Start Depth	870.00 ft	**End Depth**	975.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	77
Secondary Lithology	Gypsum/Anhydrite	**Percent**	20
Tertiary Lithology	Limestone	**Percent**	3
Comments			

System	Ordovician
Series	
Group	
Formation	Maquoketa
Member	
Submember	

Start Depth	975.00 ft	**End Depth**	1150.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Chert/Chalcedony	**Percent**	50
Secondary Lithology	Dolomite	**Percent**	30
Tertiary Lithology	Limestone	**Percent**	20
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation			
Member			
Submember			
Start Depth	1150.00 ft	**End Depth**	1355.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	85
Secondary Lithology	Dolomite	**Percent**	10
Tertiary Lithology	Chert/Chalcedony	**Percent**	5
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Decorah/Platteville Undiff.		
Member			
Submember			
Start Depth	1355.00 ft	**End Depth**	1405.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	80
Secondary Lithology	Shale	**Percent**	20
Tertiary Lithology		**Percent**	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Platteville		
Member			
Submember			
Start Depth	1405.00 ft	**End Depth**	1440.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	**Percent**	65
Secondary Lithology	Limestone	**Percent**	30
Tertiary Lithology	Dolomite	**Percent**	5
Comments			

System	Ordovician		
Series			
Group	Ancell		
Formation	St. Peter Sandstone		
Member			
Submember			
Start Depth	1440.00 ft	**End Depth**	1481.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	**Percent**	40
Secondary Lithology	Limestone	**Percent**	30
Tertiary Lithology	Shale	**Percent**	30
Comments			

System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation	Shakopee		
Member			
Submember			
Start Depth	1481.00 ft	**End Depth**	1685.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	97
Secondary Lithology	Sandstone	**Percent**	3
Tertiary Lithology		**Percent**	
Comments			

System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation	Oneota		
Member			
Submember			
Start Depth	1685.00 ft	**End Depth**	1848.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	99
Secondary Lithology	Chert/Chalcedony	**Percent**	1
Tertiary Lithology		**Percent**	
Comments			

System	Cambrian		
Series			
Group			
Formation	Jordan		
Member	Coon Valley		
Submember			

Start Depth	1848.00 ft	**End Depth**	1855.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	99
Secondary Lithology	Sandstone	**Percent**	1
Tertiary Lithology		**Percent**	
Comments			

System	Cambrian		
Series			
Group			
Formation	Jordan		
Member			
Submember			
Start Depth	1855.00 ft	**End Depth**	1883.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	**Percent**	50
Secondary Lithology	Dolomite	**Percent**	50
Tertiary Lithology		**Percent**	
Comments			

System	Cambrian		
Series			
Group			
Formation	St. Lawrence		
Member			
Submember			
Start Depth	1883.00 ft	**End Depth**	1980.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	100
Secondary Lithology		**Percent**	
Tertiary Lithology		**Percent**	
Comments			

Water Production Information

Date	01/01/2014	**Start Time**	
Aquifer			
Static Water Level	155.00 ft	**Yield**	0 gallons per minute
Pumping Water Level	224 ft	**Yield Method**	
Measurement		**Pump Test**	No
Pump Method		**Duration**	0 mins
Comments	Reported on DNR 2014 Jordan Questionnaire		

Date		**Start Time**	
Aquifer	Unknown		

Static Water Level	122.00 ft	**Yield**	0 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	07/07/1998		
Storage	OD3-698>703	**Bin**	
Number of Boxes	6	**Number of Samples**	380
Sample Intervals	5	**Sample Gaps**	many
Sample Top	0 ft	**Sample Bottom**	1980 ft
Washed Top	0 ft	**Washed Bottom**	1980 ft
Duplicate Storage			
Comments			

https://www.iihr.uiowa.edu/igs/geosam/well/45712/general-information