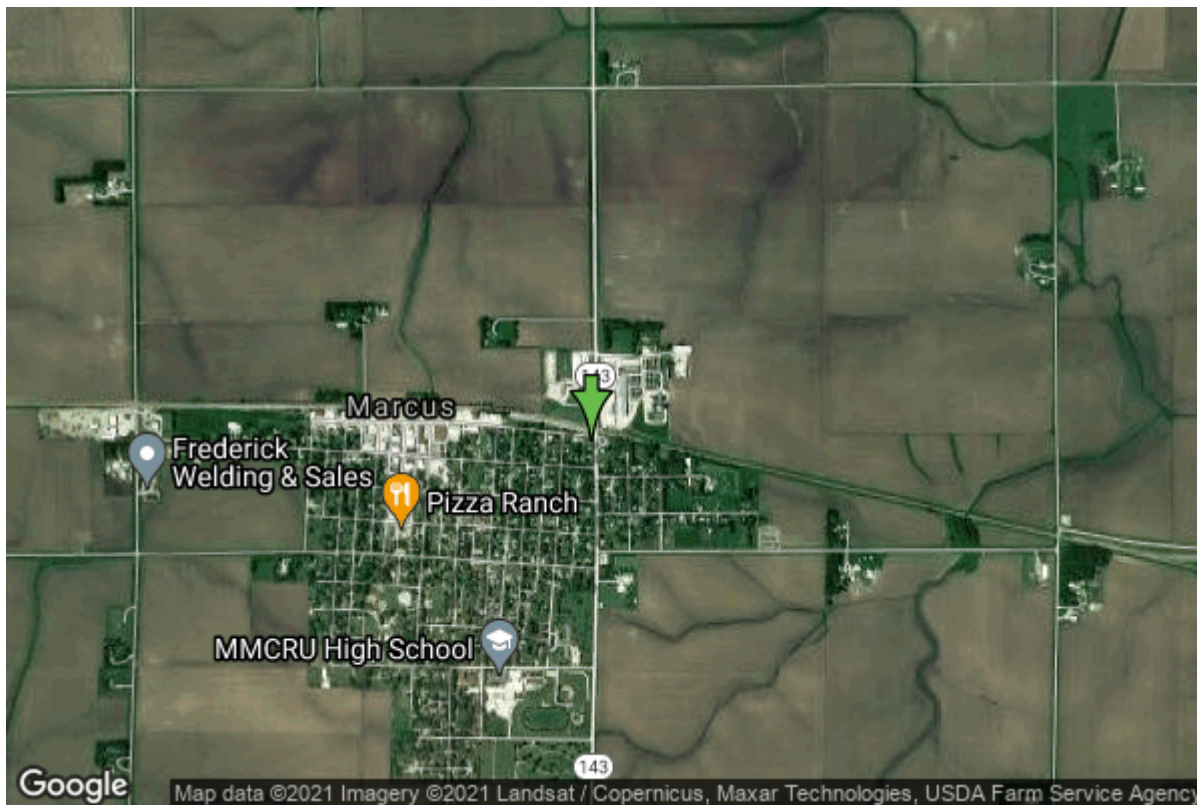


Well W#3152 Information



Date Received		State	Iowa
Owner Name	Marcus, City Of	County	Cherokee
Alt Name	#2	Quadrangle	Marcus, Iowa
WNumber	3152	Township	T93N
PWTS ID	0	Range	R42W
PWS ID	1838032	Section	34
Storet ID	31180003	Quarter	SW SW NW
SDWIS ID	2412936	Latitude	42.8260600000
USGS ID	424934095474701	Longitude	-95.7989500000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	271213
		UTM Y	4745300

Site Type	Drilled hole	Drilling Company	Layne Western - Ia.
Well Status	Active	Drilling Date	01/01/1948
Field Located	No	Drilling Method	Rotary
Elevation	1461 ft	Bedrock Depth	0 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	880 ft
Landscape Position	Unknown	Total Depth	880 ft
		Well Types	Municipal, Public Supply
		Aquifers	Ordovician

Hole Construction Information

Date	11/01/1947	Depth	657.00 ft
Diameter	12.00 in		

Comments

Date	11/01/1947	Depth	745.00 ft
Diameter	10.00 in		
Comments			

Date	11/01/1947	Depth	880.00 ft
Diameter	8.00 in		
Comments			

Casing Construction Information

Date	11/01/1947	Casing Type	Unknown
Start Depth	0.00 ft	End Depth	745.00 ft
Diameter	8.00 in	Amount	101.90 ft
Comments			

Date	11/01/1947	Casing Type	Steel
Start Depth	0.00 ft	End Depth	0.00 ft
Diameter	12.00 in	Amount	616.00 ft
Comments			

Date	11/01/1947	Casing Type	Steel
Start Depth	0.00 ft	End Depth	657.00 ft
Diameter	10.00 in	Amount	58.30 ft
Comments			

Log Information

Date	06/09/1948
Log Types	Strip log
Prepared By	Unknown
Comments	

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

Stratigraphy Information

System	Quaternary
Series	
Group	
Formation	
Member	

Submember			
Start Depth	0.00 ft	End Depth	90.00 ft
Contact Accuracy Penetration			
Primary Lithology		Percent	
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	90.00 ft	End Depth	130.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Oxidized And Unleached	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	130.00 ft	End Depth	140.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	140.00 ft	End Depth	250.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Oxidized And	Percent	100

Secondary Lithology	Unleached	Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	250.00 ft	End Depth	255.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sand	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	255.00 ft	End Depth	355.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Cretaceous		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	355.00 ft	End Depth	656.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	0
Secondary Lithology	Shale	Percent	0
Tertiary Lithology		Percent	
Comments			
System	Devonian		

Series			
Group			
Formation			
Member			
Submember			
Start Depth	656.00 ft	End Depth	750.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	750.00 ft	End Depth	880.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Chert/Chalcedony	Percent	0
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date		Start Time	
Aquifer	Unknown	Yield	233 gallons per minute
Static Water Level	290.00 ft	Yield Method	Unknown
Pumping Water Level	298 ft	Pump Test	Yes
Measurement	Unknown	Duration	0 mins
Pump Method	Unknown		
Comments			

Chip Storage Information

Date		Bin	
Storage	CE1-1,2	Number of Samples	151
Number of Boxes	2	Sample Gaps	0-90,380-385,555-560,58
Sample Intervals	0		0-590,785-815
Sample Top	90 ft	Sample Bottom	880 ft
Washed Top	0 ft	Washed Bottom	0 ft
Duplicate Storage			
Comments			

<https://www.iihr.uiowa.edu/igs/geosam/well/3152/general-information>