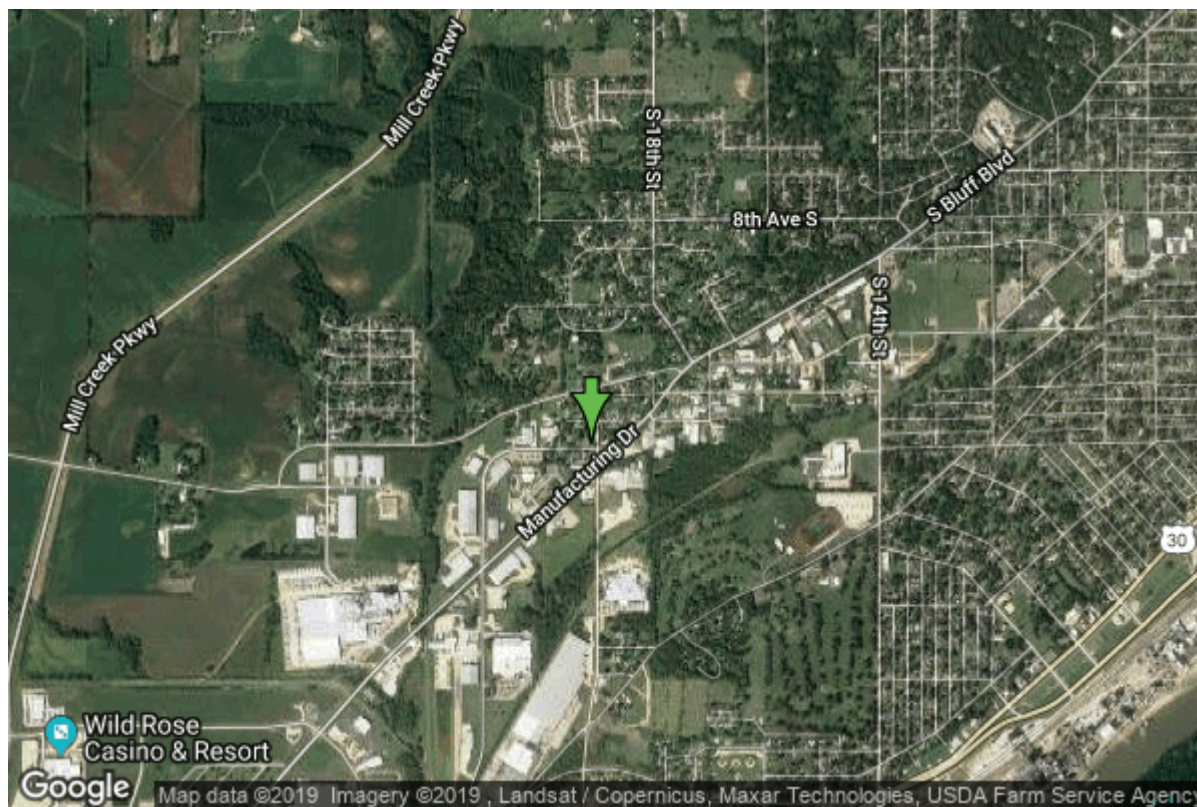


Well W#5220 Information



Date Received		State	Iowa
Owner Name	Clinton, City Of	County	Clinton
Alt Name	#9	Quadrangle	Clinton, Iowa-III.
WNumber	5220	Township	T81N
PWTS ID	0	Range	R6E
PWS ID	2326048	Section	11
Storet ID	0	Quarter	SW SE SE
SDWIS ID	2412563	Latitude	41.8300860000
USGS ID	0	Longitude	-90.2302840000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	730001
		UTM Y	4634620

Site Type	Drilled hole	Drilling Company	Varner Well Co.
Well Status	Active	Drilling Date	06/26/1952
Field Located	No	Drilling Method	Cable
Elevation	591 ft	Bedrock Depth	65 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	2202 ft
Landscape Position	Valley	Total Depth	2202 ft
		Well Types	Municipal, Public Supply
		Aquifers	Cambrian (blw St. Lawrence), Cambrian- Ordovician

Hole Construction Information

Date	06/01/1952	Depth	155.00 ft
Diameter	26.00 in		
Comments			

Date	06/01/1952	Depth	400.00 ft
Diameter	24.00 in		
Comments			

Date	06/01/1952	Depth	913.00 ft
Diameter	19.25 in		
Comments			

Date	06/01/1952	Depth	2202.00 ft
Diameter	15.25 in		
Comments			

Casing Construction Information

Date	06/01/1952	Casing Type	Steel
Start Depth	0.00 ft	End Depth	64.00 ft
Diameter	24.00 in	Amount	64.00 ft
Comments			

Date	06/01/1952	Casing Type	Steel
Start Depth	0.00 ft	End Depth	377.30 ft
Diameter	16.00 in	Amount	377.30 ft
Comments			

Date	06/01/1952	Casing Type	Steel
Start Depth	377.30 ft	End Depth	914.30 ft
Diameter	14.00 in	Amount	537.00 ft
Comments			

Date		Casing Type	Unknown
Start Depth	0.00 ft	End Depth	914.00 ft
Diameter	0.00 in	Amount	914.00 ft
Comments	Casing information received from Iowa DNR on 3/9/2016.		

Grout Construction Information

Date	06/01/1952	Grout Placement	Unknown
Grout Type	Cement	End Depth	400.00 ft
Start Depth	0.00 ft		

Comments

Date	06/01/1952	Grout Placement	Unknown
Grout Type	Cement	End Depth	913.00 ft
Start Depth	0.00 ft		
Comments			

Pump Construction Information

Date	06/01/1952	Pump Type	Unknown
Diameter	0.00 in	Rating	0
Depth Intake	290.00 ft		
Comments			

Log Information

Date	07/01/1952
Log Types	Strip log
Prepared By	Unknown
Comments	

Date	06/26/1952
Log Types	Pump Test
Prepared By	
Comments	

Date	
Log Types	Unknown
Prepared By	Unknown
Comments	Casing information received from Iowa DNR on 3/9/2016.

Stratigraphy Information

System	Quaternary		
Series	Pleistocene Series		
Group	Wisconsinan Episode		
Formation			
Member			
Submember			
Start Depth	0.00 ft	End Depth	65.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Clay	Percent	0
Secondary Lithology	Silt	Percent	0
Tertiary Lithology	Sand And Gravel	Percent	0
Comments			

System	Silurian		
Series			
Group			
Formation	Hopkinton		
Member			
Submember			
Start Depth	65.00 ft	End Depth	125.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Silurian		
Series			
Group			
Formation	Blanding		
Member			
Submember			
Start Depth	125.00 ft	End Depth	145.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Silurian		
Series			
Group			
Formation	Mosalem		
Member			
Submember			
Start Depth	145.00 ft	End Depth	155.00 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	155.00 ft	End Depth	380.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Shale	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Dubuque		
Member			
Submember			
Start Depth	380.00 ft	End Depth	420.00 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	420.00 ft	End Depth	490.00 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	490.00 ft	End Depth	600.00 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	600.00 ft	End Depth	720.00 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	720.00 ft	End Depth	725.00 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	725.00 ft	End Depth	770.00 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	770.00 ft	End Depth	965.00 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	965.00 ft	End Depth	1130.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group			
Formation	Jordan		
Member			
Submember			
Start Depth	1130.00 ft	End Depth	1205.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group			
Formation	St. Lawrence		
Member			
Submember			
Start Depth	1205.00 ft	End Depth	1365.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Sandstone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group	Tunnel City		
Formation	Lone Rock		
Member			
Submember			
Start Depth	1365.00 ft	End Depth	1460.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group	Tunnel City		
Formation	Wonewoc		
Member			
Submember			
Start Depth	1460.00 ft	End Depth	1605.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group	Tunnel City		
Formation	Eau Claire		
Member			
Submember			
Start Depth	1605.00 ft	End Depth	1870.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group	Tunnel City		
Formation	Mt. Simon		
Member			
Submember			

Start Depth	1870.00 ft	End Depth	2202.00 ft
Contact Accuracy Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	05/08/1969	Start Time	
Aquifer	Unknown		
Static Water Level	222.00 ft	Yield	860 gallons per minute
Pumping Water Level	260 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	Yes
Pump Method	Unknown	Duration	0 mins
Comments			

Date	07/03/1952	Start Time	
Aquifer	Unknown		
Static Water Level	88.00 ft	Yield	1960 gallons per minute
Pumping Water Level	226 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	No
Pump Method	Pumped	Duration	200 mins
Comments			

Chip Storage Information

Date		Bin	
Storage	CL4-1->5	Number of Samples	417
Number of Boxes	5	Sample Gaps	60-65,920-925,1065-1070 ,2030-2035, 2200-2202
Sample Intervals	0	Sample Bottom	2202 ft
Sample Top	0 ft	Washed Bottom	2200 ft
Washed Top	55 ft		
Duplicate Storage			
Comments			

<https://www.iuhr.uiowa.edu/igs/geosam/well/5220/general-information>