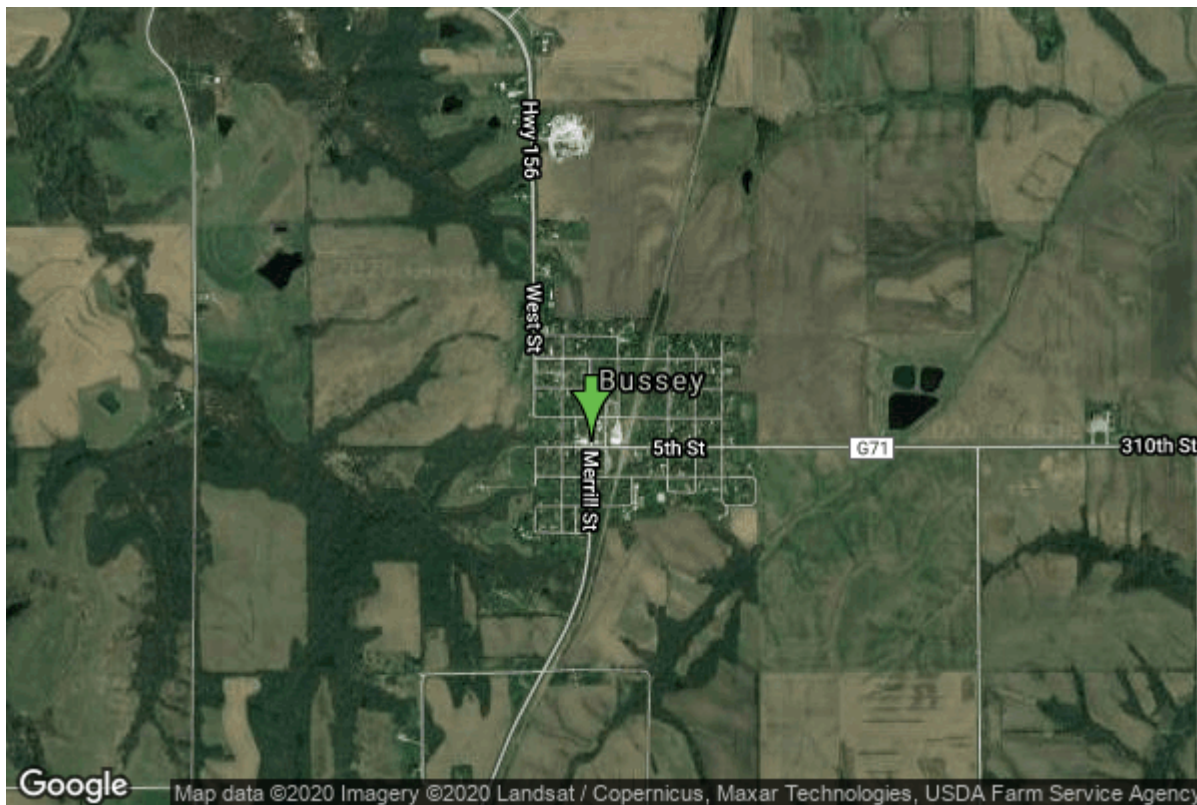


# Well W#23062 Information



<b>Date Received</b>		<b>State</b>	Iowa
<b>Owner Name</b>	Bussey, City Of	<b>County</b>	Marion
<b>Alt Name</b>	#3	<b>Quadrangle</b>	Lovilia, Iowa
<b>WNumber</b>	23062	<b>Township</b>	T74N
<b>PWTS ID</b>	0	<b>Range</b>	R18W
<b>PWS ID</b>	6309061	<b>Section</b>	13
<b>Storet ID</b>	0	<b>Quarter</b>	SW SW SE
<b>SDWIS ID</b>	2408971	<b>Latitude</b>	41.2047000000
<b>USGS ID</b>	0	<b>Longitude</b>	-92.8859700000
<b>Project</b>	Source Water Protection	<b>Accuracy</b>	
<b>Operator</b>	Unknown	<b>UTM X</b>	509560
		<b>UTM Y</b>	4561487

<b>Site Type</b>	Drilled hole	<b>Drilling Company</b>	Winslow Well Co.
<b>Well Status</b>	Standby	<b>Drilling Date</b>	01/01/1972
<b>Field Located</b>	No	<b>Drilling Method</b>	Rotary
<b>Elevation</b>	872 ft	<b>Bedrock Depth</b>	35 ft
<b>Elevation Accuracy</b>	Digital Elevation Model	<b>Well Depth</b>	2262 ft
	Accurate to 5 ft	<b>Total Depth</b>	2262 ft
<b>Landscape Position</b>	Upland	<b>Well Types</b>	Municipal, Public Supply
		<b>Aquifers</b>	Cambrian-Ordovician

## Casing Construction Information

<b>Date</b>	01/01/1972	<b>Casing Type</b>	
<b>Start Depth</b>	568.50 ft	<b>End Depth</b>	1813.50 ft

<b>Diameter</b>	7.00 in	<b>Amount</b>	1245.00 ft
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<b>Date</b>	01/01/1972	<b>Casing Type</b>	
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	568.50 ft
<b>Diameter</b>	10.75 in	<b>Amount</b>	568.50 ft

**Comments**

## Log Information

<b>Date</b>	10/01/1984
<b>Log Types</b>	Strip log
<b>Prepared By</b>	Unknown

**Comments**

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<b>Date</b>	05/10/1972
<b>Log Types</b>	Pump Test
<b>Prepared By</b>	

**Comments**

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<b>Date</b>	
<b>Log Types</b>	Drillers log
<b>Prepared By</b>	

**Comments**

## Stratigraphy Information

<b>System</b>	Quaternary		
<b>Series</b>	Pleistocene Series		
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	10.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Silt	<b>Percent</b>	100
<b>Secondary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Unknown	<b>Percent</b>	0

**Comments**

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<b>System</b>	Quaternary
<b>Series</b>	Pleistocene Series
<b>Group</b>	Pre-Illinoian
<b>Formation</b>	
<b>Member</b>	
<b>Submember</b>	

<b>Start Depth</b>	10.00 ft	<b>End Depth</b>	25.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Till - Oxidized And Unleached	<b>Percent</b>	100
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Quaternary		
<b>Series</b>	Pleistocene Series		
<b>Group</b>	Pre-Illinoian		
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	25.00 ft	<b>End Depth</b>	35.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Till - Oxidized And Unleached	<b>Percent</b>	70
<b>Secondary Lithology</b>	Till - Unoxidized And Unleached	<b>Percent</b>	30
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Pennsylvanian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	35.00 ft	<b>End Depth</b>	200.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Secondary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Pella (Ste. Genevieve)		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	200.00 ft	<b>End Depth</b>	248.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	

<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	St. Louis		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	248.00 ft	<b>End Depth</b>	315.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Augusta		
<b>Formation</b>	Warsaw		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	315.00 ft	<b>End Depth</b>	353.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Augusta		
<b>Formation</b>	Keokuk		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	353.00 ft	<b>End Depth</b>	415.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Augusta		

<b>Formation</b>	Burlington		
<b>Member</b>	Cedar Fork		
<b>Submember</b>			
<b>Start Depth</b>	415.00 ft	<b>End Depth</b>	470.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Augusta		
<b>Formation</b>	Burlington		
<b>Member</b>	Haight Creek		
<b>Submember</b>			
<b>Start Depth</b>	470.00 ft	<b>End Depth</b>	532.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	532.00 ft	<b>End Depth</b>	540.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	540.00 ft	<b>End Depth</b>	600.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	

<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Maple Mill		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	600.00 ft	<b>End Depth</b>	647.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Aplington		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	647.00 ft	<b>End Depth</b>	675.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Sheffield		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	675.00 ft	<b>End Depth</b>	722.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		

<b>Formation</b>	Lime Creek		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	722.00 ft	<b>End Depth</b>	800.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	800.00 ft	<b>End Depth</b>	1100.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Wapsipinicon		
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1100.00 ft	<b>End Depth</b>	1150.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Silurian		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1150.00 ft	<b>End Depth</b>	1175.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	

<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Maquoketa		
<b>Member</b>	Neda		
<b>Submember</b>			
<b>Start Depth</b>	1175.00 ft	<b>End Depth</b>	1178.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Maquoketa		
<b>Member</b>	Brainard Shale		
<b>Submember</b>			
<b>Start Depth</b>	1178.00 ft	<b>End Depth</b>	1235.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Maquoketa		
<b>Member</b>	Ft. Atkinson Limestone		
<b>Submember</b>			
<b>Start Depth</b>	1235.00 ft	<b>End Depth</b>	1385.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>			



<b>Formation</b>	Maquoketa		
<b>Member</b>	Elgin Limestone		
<b>Submember</b>			
<b>Start Depth</b>	1385.00 ft	<b>End Depth</b>	1462.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1462.00 ft	<b>End Depth</b>	1620.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Galena		
<b>Formation</b>	Decorah/Platteville Undiff.		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1620.00 ft	<b>End Depth</b>	1682.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Ancell		
<b>Formation</b>	Glenwood		
<b>Member</b>	Harmony Hill		
<b>Submember</b>			
<b>Start Depth</b>	1682.00 ft	<b>End Depth</b>	1687.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	

<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Ancell		
<b>Formation</b>	St. Peter Sandstone		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1687.00 ft	<b>End Depth</b>	1723.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Prairie Du Chien		
<b>Formation</b>	Shakopee		
<b>Member</b>	Willow River		
<b>Submember</b>			
<b>Start Depth</b>	1723.00 ft	<b>End Depth</b>	1910.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Prairie Du Chien		
<b>Formation</b>	Shakopee		
<b>Member</b>	New Richmond		
<b>Submember</b>			
<b>Start Depth</b>	1910.00 ft	<b>End Depth</b>	1980.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Prairie Du Chien		

<b>Formation</b>	Oneota		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1980.00 ft	<b>End Depth</b>	2130.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Cambrian		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Jordan		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	2130.00 ft	<b>End Depth</b>	2215.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Cambrian		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	St. Lawrence		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	2215.00 ft	<b>End Depth</b>	2262.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

## Water Production Information

<b>Date</b>	05/09/1972	<b>Start Time</b>	
<b>Aquifer</b>	Unknown		
<b>Static Water Level</b>	226.00 ft	<b>Yield</b>	0 gallons per minute
<b>Pumping Water Level</b>	0 ft	<b>Yield Method</b>	Unknown
<b>Measurement</b>	Unknown	<b>Pump Test</b>	No
<b>Pump Method</b>	Unknown	<b>Duration</b>	0 mins
<b>Comments</b>			

# Chip Storage Information

<b>Date</b>	01/05/1972	<b>Bin</b>	
<b>Storage</b>	PL8-649->654	<b>Number of Samples</b>	0
<b>Number of Boxes</b>	6	<b>Sample Gaps</b>	
<b>Sample Intervals</b>	0	<b>Sample Bottom</b>	0 ft
<b>Sample Top</b>	0 ft	<b>Washed Bottom</b>	0 ft
<b>Washed Top</b>	0 ft		
<b>Duplicate Storage</b>			
<b>Comments</b>			

<https://www.iihr.uiowa.edu/igs/geosam/well/23062/general-information>