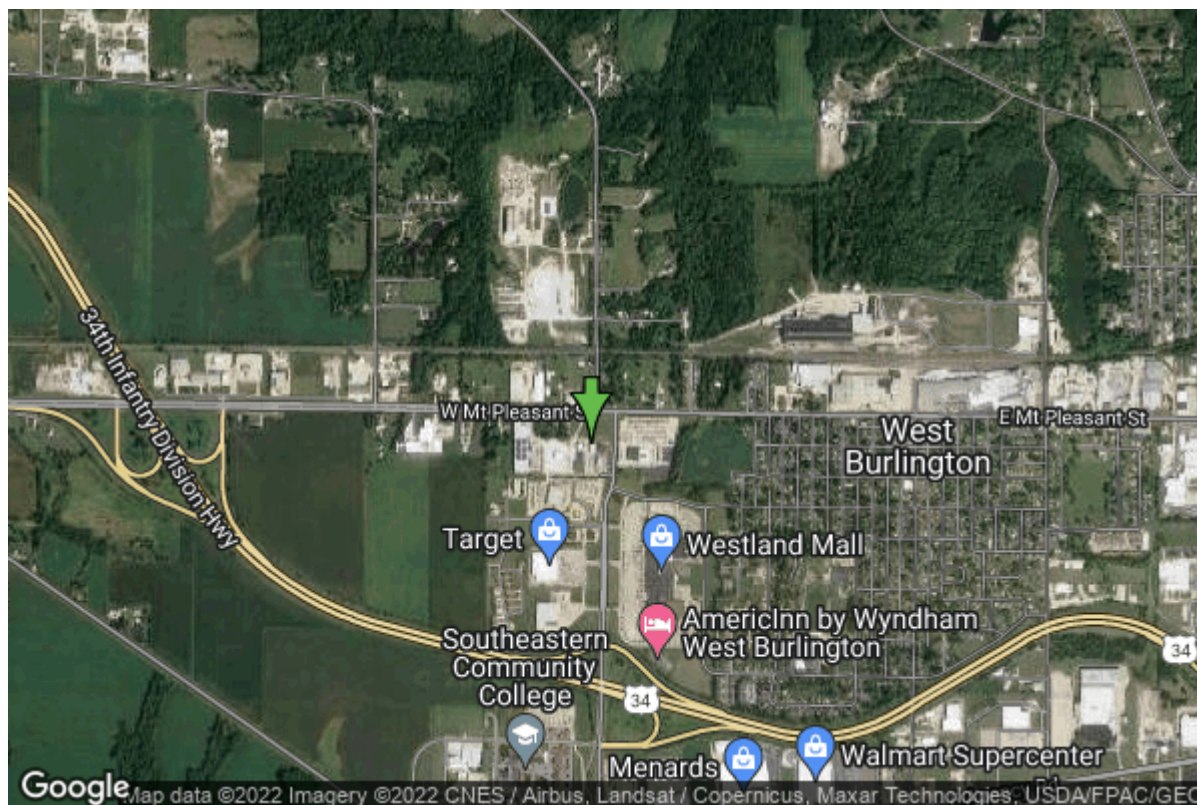


# Well W#14131 Information



<b>Date Received</b>		<b>State</b>	Iowa
<b>Owner Name</b>	West Burlington, City Of	<b>County</b>	Des Moines
<b>Alt Name</b>	#4	<b>Quadrangle</b>	West Burlington, Iowa
<b>WNumber</b>	14131	<b>Township</b>	T70N
<b>PWTS ID</b>	0	<b>Range</b>	R3W
<b>PWS ID</b>	2985002	<b>Section</b>	35
<b>Storet ID</b>	0	<b>Quarter</b>	NE NW NW
<b>SDWIS ID</b>	2409344	<b>Latitude</b>	40.8250900000
<b>USGS ID</b>	0	<b>Longitude</b>	-91.1698100000
<b>Project</b>	Source Water Protection	<b>Accuracy</b>	
<b>Operator</b>	Unknown	<b>UTM X</b>	654332
		<b>UTM Y</b>	4520952

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<b>Site Type</b>	Drilled hole	<b>Drilling Company</b>	Hoeg & Ames (H.M. White)
<b>Well Status</b>	Standby	<b>Drilling Date</b>	05/24/1963
<b>Field Located</b>	No	<b>Drilling Method</b>	Cable
<b>Elevation</b>	701 ft	<b>Bedrock Depth</b>	55 ft
<b>Elevation Accuracy</b>	Digital Elevation Model Accurate to 5 ft	<b>Well Depth</b>	1810 ft
<b>Landscape Position</b>	Unknown	<b>Total Depth</b>	1810 ft
		<b>Well Types</b>	Municipal, Public Supply
		<b>Aquifers</b>	Cambrian-Ordovician

# Casing Construction Information

<b>Date</b>	05/24/1963	<b>Casing Type</b>	Steel
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	1338.00 ft
<b>Diameter</b>	12.00 in	<b>Amount</b>	0.00 ft
<b>Comments</b>			

# Grout Construction Information

<b>Date</b>	05/24/1963	<b>Grout Placement</b>	Unknown
<b>Grout Type</b>	Cement	<b>End Depth</b>	1338.00 ft
<b>Start Depth</b>	0.00 ft		
<b>Comments</b>			

# Log Information

<b>Date</b>	06/13/1963
<b>Log Types</b>	Strip log
<b>Prepared By</b>	Northup, Richard Cox
<b>Comments</b>	

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<b>Date</b>	
<b>Log Types</b>	Drillers log
<b>Prepared By</b>	West Burlington, City Of
<b>Comments</b>	

# Stratigraphy Information

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

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<b>System</b>	Quaternary
<b>Series</b>	
<b>Group</b>	

<b>Formation Member Submember</b>			
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	10.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Loess	<b>Percent</b>	100
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Quaternary		
<b>Series</b>	Pleistocene Series		
<b>Group</b>			
<b>Formation Member Submember</b>			
<b>Start Depth</b>	10.00 ft	<b>End Depth</b>	55.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Till	<b>Percent</b>	0
<b>Secondary Lithology</b>	Silt	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Augusta		
<b>Formation Member Submember</b>	Keokuk		
<b>Start Depth</b>	55.00 ft	<b>End Depth</b>	75.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<hr/>			
<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Augusta		
<b>Formation Member Submember</b>	Burlington Cedar Fork		
<b>Start Depth</b>	75.00 ft	<b>End Depth</b>	93.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Limestone	<b>Percent</b>	0

<b>Secondary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Chert/Chalcedony	<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>	Augusta		
<b>Formation</b>	Burlington		
<b>Member</b>	Haight Creek		
<b>Submember</b>			
<b>Start Depth</b>	93.00 ft	<b>End Depth</b>	135.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Limestone	<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>	Augusta		
<b>Formation</b>	Burlington		
<b>Member</b>	Dolbee Creek		
<b>Submember</b>			
<b>Start Depth</b>	135.00 ft	<b>End Depth</b>	143.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Secondary Lithology</b>	Dolomite	<b>Percent</b>	0
<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>	Sub-Augusta		
<b>Formation</b>	Maynes Creek		
<b>Member</b>	Wassonville		
<b>Submember</b>			
<b>Start Depth</b>	143.00 ft	<b>End Depth</b>	153.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<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>	North Hill		

<b>Formation Member Submember</b>	Prospect Hill		
<b>Start Depth</b>	153.00 ft	<b>End Depth</b>	159.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Siltstone	<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 Series</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Group</b>	North Hill		
<b>Formation Member</b>	Mccraney		
<b>Submember</b>			
<b>Start Depth</b>	159.00 ft	<b>End Depth</b>	176.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System Series</b>	Devonian		
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation Member</b>	Maple Mill		
<b>Submember</b>	English River		
<b>Start Depth</b>	176.00 ft	<b>End Depth</b>	195.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Siltstone	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Shale	<b>Percent</b>	0
<b>Comments</b>			

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<b>System Series</b>	Devonian		
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation Member</b>	Maple Mill		
<b>Submember</b>	Saverton		
<b>Start Depth</b>	195.00 ft	<b>End Depth</b>	325.00 ft
<b>Contact Accuracy Penetration</b>			
<b>Primary Lithology</b>	Shale	<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>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Maple Mill		
<b>Member</b>	Grassy Creek		
<b>Submember</b>			
<b>Start Depth</b>	325.00 ft	<b>End Depth</b>	470.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Shale	<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>	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>	470.00 ft	<b>End Depth</b>	480.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Shale	<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>	Devonian		
<b>Series</b>			
<b>Group</b>	Cedar Valley		
<b>Formation</b>	Little Cedar		
<b>Member</b>	Rapid		
<b>Submember</b>			
<b>Start Depth</b>	480.00 ft	<b>End Depth</b>	503.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Cedar Valley		

<b>Formation</b>	Little Cedar		
<b>Member</b>	Solon		
<b>Submember</b>			
<b>Start Depth</b>	503.00 ft	<b>End Depth</b>	605.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Secondary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Wapsipinicon		
<b>Formation</b>	Pinicon Ridge		
<b>Member</b>	Davenport		
<b>Submember</b>			
<b>Start Depth</b>	605.00 ft	<b>End Depth</b>	630.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Secondary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Wapsipinicon		
<b>Formation</b>	Pinicon Ridge		
<b>Member</b>	Spring Grove		
<b>Submember</b>			
<b>Start Depth</b>	630.00 ft	<b>End Depth</b>	642.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<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>	Devonian		
<b>Series</b>			
<b>Group</b>	Wapsipinicon		
<b>Formation</b>	Pinicon Ridge		
<b>Member</b>	Kenwood		
<b>Submember</b>			
<b>Start Depth</b>	642.00 ft	<b>End Depth</b>	675.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0

<b>Secondary Lithology</b>	Shale	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Sandstone	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Maquoketa		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	675.00 ft	<b>End Depth</b>	700.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Shale	<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>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	700.00 ft	<b>End Depth</b>	790.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Galena		
<b>Formation</b>	Dunleith		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	790.00 ft	<b>End Depth</b>	910.00 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>	Galena		



<b>Formation</b>	Decorah		
<b>Member</b>	Guttenberg		
<b>Submember</b>			
<b>Start Depth</b>	910.00 ft	<b>End Depth</b>	930.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Shale	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Galena		
<b>Formation</b>	Decorah		
<b>Member</b>	Spechts Ferry		
<b>Submember</b>			
<b>Start Depth</b>	930.00 ft	<b>End Depth</b>	935.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Shale	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Galena		
<b>Formation</b>	Platteville		
<b>Member</b>	Mcgregor		
<b>Submember</b>			
<b>Start Depth</b>	935.00 ft	<b>End Depth</b>	955.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Galena		
<b>Formation</b>	Platteville		
<b>Member</b>	Pecatonica		
<b>Submember</b>			
<b>Start Depth</b>	955.00 ft	<b>End Depth</b>	969.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0

<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<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>	Glenwood		
<b>Member</b>	Starved Rock Sandstone		
<b>Submember</b>			
<b>Start Depth</b>	969.00 ft	<b>End Depth</b>	1030.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Sandstone	<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>	Ordovician		
<b>Series</b>			
<b>Group</b>	Ancell		
<b>Formation</b>	Glenwood		
<b>Member</b>	Harmony Hill		
<b>Submember</b>			
<b>Start Depth</b>	1030.00 ft	<b>End Depth</b>	1050.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Shale	<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>	Ordovician		
<b>Series</b>			
<b>Group</b>	Ancell		
<b>Formation</b>	St. Peter Sandstone		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1050.00 ft	<b>End Depth</b>	1090.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Sandstone	<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>	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>	1090.00 ft	<b>End Depth</b>	1365.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Sandstone	<b>Percent</b>	0
<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>	1365.00 ft	<b>End Depth</b>	1430.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Sandstone	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<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>	1430.00 ft	<b>End Depth</b>	1657.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<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>	1657.00 ft	<b>End Depth</b>	1737.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Sandstone	<b>Percent</b>	0

<b>Secondary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<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>	1737.00 ft	<b>End Depth</b>	1810.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	100
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

## Water Production Information

<b>Date</b>	05/24/1963	<b>Start Time</b>	
<b>Aquifer</b>	Unknown		
<b>Static Water Level</b>	172.00 ft	<b>Yield</b>	116 gallons per minute
<b>Pumping Water Level</b>	388 ft	<b>Yield Method</b>	Unknown
<b>Measurement</b>	Unknown	<b>Pump Test</b>	Yes
<b>Pump Method</b>	Unknown	<b>Duration</b>	0 mins
<b>Comments</b>			

## Chip Storage Information

<b>Date</b>	06/13/1963		
<b>Storage</b>	TL4-791->795	<b>Bin</b>	
<b>Number of Boxes</b>	5	<b>Number of Samples</b>	357
<b>Sample Intervals</b>	5	<b>Sample Gaps</b>	1730-1750
<b>Sample Top</b>	0 ft	<b>Sample Bottom</b>	1810 ft
<b>Washed Top</b>	62 ft	<b>Washed Bottom</b>	1810 ft
<b>Duplicate Storage</b>			
<b>Comments</b>			

<https://www.iihr.uiowa.edu/igs/geosam/well/14131/general-information>