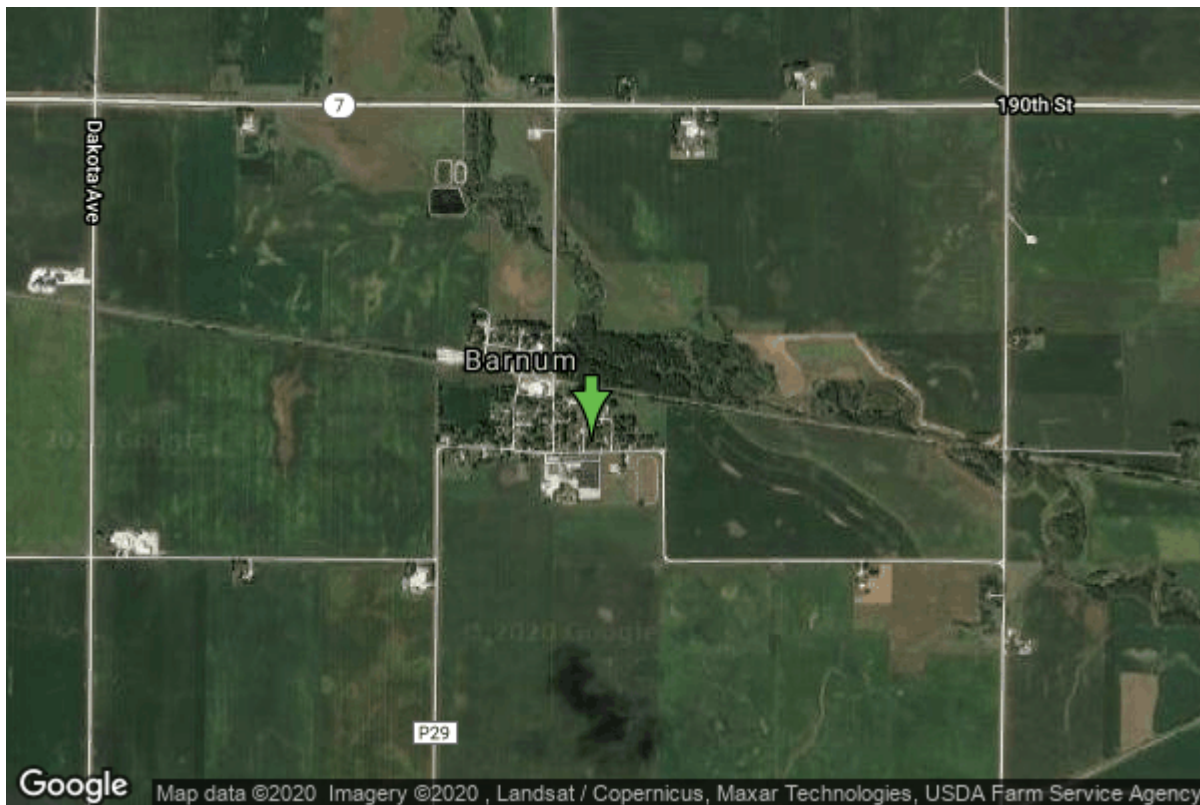


# Well W#14551 Information



<b>Date Received</b>		<b>State</b>	Iowa
<b>Owner Name</b>	Barnum, City Of	<b>County</b>	Webster
<b>Alt Name</b>	#1	<b>Quadrangle</b>	Clare, Iowa
<b>WNumber</b>	14551	<b>Township</b>	T89N
<b>PWTS ID</b>	0	<b>Range</b>	R30W
<b>PWS ID</b>	9408087	<b>Section</b>	23
<b>Storet ID</b>	0	<b>Quarter</b>	SW NW SW
<b>SDWIS ID</b>	2411652	<b>Latitude</b>	42.5060230000
<b>USGS ID</b>	0	<b>Longitude</b>	-94.3615320000
<b>Project</b>	Source Water Protection	<b>Accuracy</b>	
<b>Operator</b>	Unknown	<b>UTM X</b>	388138
		<b>UTM Y</b>	4706860

<b>Site Type</b>	Drilled hole	<b>Drilling Company</b>	Layne Western - Ia.
<b>Well Status</b>	Active	<b>Drilling Date</b>	01/10/1964
<b>Field Located</b>	No	<b>Drilling Method</b>	Cable
<b>Elevation</b>	1178 ft	<b>Bedrock Depth</b>	130 ft
<b>Elevation Accuracy</b>	Digital Elevation Model Accurate to 5 ft	<b>Well Depth</b>	850 ft
<b>Landscape Position</b>	Upland	<b>Total Depth</b>	850 ft
		<b>Well Types</b>	Municipal, Public Supply
		<b>Aquifers</b>	Devonian

## Casing Construction Information

<b>Date</b>	07/29/1963	<b>Casing Type</b>	Steel
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	383.00 ft

<b>Diameter</b>	8.00 in	<b>Amount</b>	383.00 ft
<b>Comments</b>			

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<b>Date</b>	07/29/1963	<b>Casing Type</b>	Steel
<b>Start Depth</b>	730.00 ft	<b>End Depth</b>	800.00 ft
<b>Diameter</b>	6.00 in	<b>Amount</b>	70.00 ft
<b>Comments</b>			

## Grout Construction Information

<b>Date</b>	07/29/1963	<b>Grout Placement</b>	Unknown
<b>Grout Type</b>	Cement	<b>End Depth</b>	20.00 ft
<b>Start Depth</b>	0.00 ft		
<b>Comments</b>			

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<b>Date</b>	07/29/1963	<b>Grout Placement</b>	Unknown
<b>Grout Type</b>	Cement	<b>End Depth</b>	383.00 ft
<b>Start Depth</b>	373.00 ft		
<b>Comments</b>			

## Log Information

<b>Date</b>	06/26/1963
<b>Log Types</b>	Strip log
<b>Prepared By</b>	Unknown
<b>Comments</b>	

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

## Stratigraphy Information

<b>System</b>	Quaternary		
<b>Series</b>	Pleistocene Series		
<b>Group</b>	Wisconsinan Episode		
<b>Formation</b>	Dows		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	15.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Till - Oxidized And Unleached	<b>Percent</b>	65
<b>Secondary Lithology</b>	Soil Or Fill	<b>Percent</b>	35

<b>Tertiary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Comments</b>			
<b>System</b>	Quaternary		
<b>Series</b>	Pleistocene Series		
<b>Group</b>	Wisconsinan Episode		
<b>Formation</b>	Dows		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	15.00 ft	<b>End Depth</b>	100.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Till - Unoxidized And Unleached	<b>Percent</b>	100
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<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>	100.00 ft	<b>End Depth</b>	130.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Till - Oxidized And Leached	<b>Percent</b>	100
<b>Secondary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Comments</b>			
<b>System</b>	Pennsylvanian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Cherokee		
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	130.00 ft	<b>End Depth</b>	353.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Sandstone	<b>Percent</b>	0
<b>Secondary Lithology</b>	Shale	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			
<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>	353.00 ft	<b>End Depth</b>	380.00 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>		<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>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	380.00 ft	<b>End Depth</b>	445.00 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>	Sub-Augusta		
<b>Formation</b>	Gilmore City		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	445.00 ft	<b>End Depth</b>	610.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Limestone	<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>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Sub-Augusta		
<b>Formation</b>	Maynes Creek		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	610.00 ft	<b>End Depth</b>	735.00 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>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	North Hill		
<b>Formation</b>	Prospect Hill		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	735.00 ft	<b>End Depth</b>	750.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Siltstone	<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>	Yellow Spring (New Albany)		
<b>Formation</b>	Maple Mill		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	750.00 ft	<b>End Depth</b>	770.00 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>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	770.00 ft	<b>End Depth</b>	850.00 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>	07/29/1963	<b>Start Time</b>	
<b>Aquifer</b>	Unknown		
<b>Static Water Level</b>	68.00 ft	<b>Yield</b>	25 gallons per minute
<b>Pumping Water Level</b>	244 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>	08/25/1963		
<b>Storage</b>	TL5-381,382	<b>Bin</b>	
<b>Number of Boxes</b>	2	<b>Number of Samples</b>	166
<b>Sample Intervals</b>	5	<b>Sample Gaps</b>	190-195,205-210,230-240
<b>Sample Top</b>	0 ft	<b>Sample Bottom</b>	850 ft
<b>Washed Top</b>	140 ft	<b>Washed Bottom</b>	850 ft
<b>Duplicate Storage</b>			
<b>Comments</b>			

<https://www.iuhr.uiowa.edu/igs/geosam/well/14551/general-information>