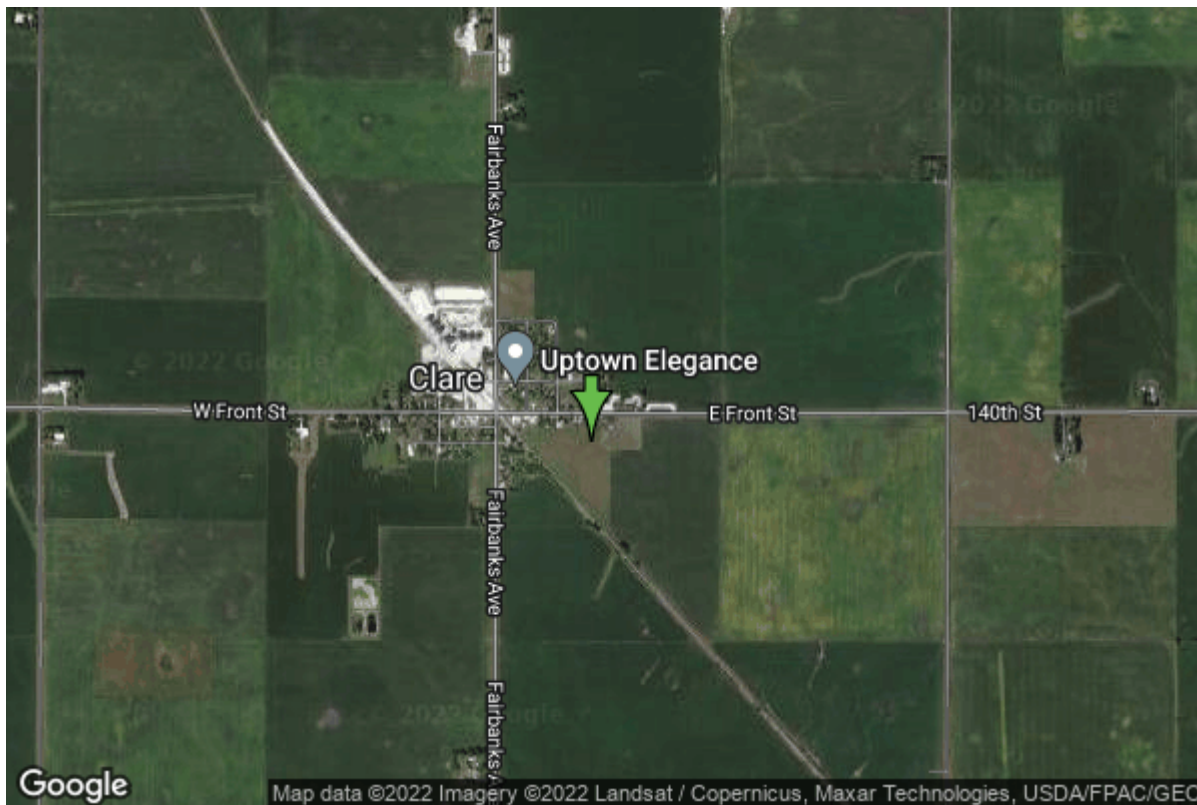


# Well W#31926 Information



<b>Date Received</b>	01/24/1991	<b>State</b>	Iowa
<b>Owner Name</b>	Clare, City Of	<b>County</b>	Webster
<b>Alt Name</b>	#2	<b>Quadrangle</b>	Clare, Iowa
<b>WNumber</b>	31926	<b>Township</b>	T90N
<b>PWTS ID</b>	0	<b>Range</b>	R30W
<b>PWS ID</b>	9420027	<b>Section</b>	25
<b>Storet ID</b>	0	<b>Quarter</b>	NW NW NE
<b>SDWIS ID</b>	2411740	<b>Latitude</b>	42.5865030000
<b>USGS ID</b>	0	<b>Longitude</b>	-94.3395950000
<b>Project</b>	Source Water Protection	<b>Accuracy</b>	
<b>Operator</b>	Unknown	<b>UTM X</b>	390082
		<b>UTM Y</b>	4715768

<b>Site Type</b>	Drilled hole	<b>Drilling Company</b>	R & R Well Co.
<b>Well Status</b>	Active	<b>Drilling Date</b>	08/02/1990
<b>Field Located</b>	No	<b>Drilling Method</b>	Rotary
<b>Elevation</b>	1211 ft	<b>Bedrock Depth</b>	178 ft
<b>Elevation Accuracy</b>	Topo Map Accurate to 2 ft	<b>Well Depth</b>	260 ft
<b>Landscape Position</b>	Upland	<b>Total Depth</b>	660 ft
		<b>Well Types</b>	Municipal, Public Supply
		<b>Aquifers</b>	Dakota/Cretaceous

## Casing Construction Information

<b>Date</b>	08/02/1990	<b>Casing Type</b>	Steel
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	210.00 ft

<b>Diameter</b>	10.00 in	<b>Amount</b>	210.00 ft
<b>Comments</b>			

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<b>Date</b>	08/02/1990	<b>Casing Type</b>	Steel
<b>Start Depth</b>	205.00 ft	<b>End Depth</b>	212.00 ft
<b>Diameter</b>	8.00 in	<b>Amount</b>	7.00 ft
<b>Comments</b>			

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<b>Date</b>	08/02/1990	<b>Casing Type</b>	Slotted Steel
<b>Start Depth</b>	252.00 ft	<b>End Depth</b>	540.00 ft
<b>Diameter</b>	8.00 in	<b>Amount</b>	288.00 ft
<b>Comments</b>			

## Screen Construction Information

<b>Date</b>	08/02/1990		
<b>Screen Type</b>	Steel	<b>Slot Size</b>	0.05
<b>Start Depth</b>	212.00 ft	<b>End Depth</b>	252.00 ft
<b>Diameter</b>	8.00 in	<b>Amount</b>	40 ft
<b>Comments</b>			

## Grout Construction Information

<b>Date</b>	08/02/1990		
<b>Grout Type</b>	Cement	<b>Grout Placement</b>	Unknown
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	210.00 ft
<b>Comments</b>			

## Pump Construction Information

<b>Date</b>	08/02/1990	<b>Pump Type</b>	Submersible
<b>Diameter</b>	6.00 in	<b>Rating</b>	100
<b>Depth Intake</b>	280.00 ft		
<b>Comments</b>			

## Log Information

<b>Date</b>	02/22/1991		
<b>Log Types</b>	Strip log		
<b>Prepared By</b>	Unknown		
<b>Comments</b>			

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<b>Date</b>	08/02/1990		
<b>Log Types</b>	Drillers log		
<b>Prepared By</b>	R & R Well Co.		

## Comments

# 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>	100
<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>	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>	95.00 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>			

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<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>	95.00 ft	<b>End Depth</b>	110.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Till - Unoxidized And Unleached	<b>Percent</b>	60
<b>Secondary Lithology</b>	Till - Oxidized And Unleached	<b>Percent</b>	40
<b>Tertiary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Comments</b>			

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<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>	110.00 ft	<b>End Depth</b>	125.00 ft
<b>Contact Accuracy</b>			
<b>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>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	125.00 ft	<b>End Depth</b>	140.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Till - Oxidized And Unleached	<b>Percent</b>	65
<b>Secondary Lithology</b>	Till - Unoxidized And Unleached	<b>Percent</b>	35
<b>Tertiary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Comments</b>			

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<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>	140.00 ft	<b>End Depth</b>	160.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Till - Unoxidized And Unleached	<b>Percent</b>	90
<b>Secondary Lithology</b>	Till - Oxidized And Unleached	<b>Percent</b>	10
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Quaternary		
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<b>Series</b>	Pleistocene Series		
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	160.00 ft	<b>End Depth</b>	165.00 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>			

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<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>	165.00 ft	<b>End Depth</b>	180.00 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>			

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<b>System</b>	Cretaceous		
<b>Series</b>			
<b>Group</b>	Fort Benton ("Lower Colorado ")		
<b>Formation</b>	Dakota		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	180.00 ft	<b>End Depth</b>	260.00 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>	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>	260.00 ft	<b>End Depth</b>	300.00 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>	Augusta		
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	300.00 ft	<b>End Depth</b>	335.00 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>	Sub-Augusta		
<b>Formation</b>	Gilmore City		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	335.00 ft	<b>End Depth</b>	460.00 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>	460.00 ft	<b>End Depth</b>	620.00 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>	620.00 ft	<b>End Depth</b>	625.00 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>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	625.00 ft	<b>End Depth</b>	660.00 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>		<b>Percent</b>	
<b>Comments</b>			

## Water Production Information

<b>Date</b>	09/01/2015	<b>Start Time</b>	
<b>Aquifer</b>			
<b>Static Water Level</b>	95.00 ft	<b>Yield</b>	73 gallons per minute
<b>Pumping Water Level</b>	144 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>	Reported on 2015 DNR Dakota survey.		

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<b>Date</b>	08/02/1990	<b>Start Time</b>	
<b>Aquifer</b>	Unknown		
<b>Static Water Level</b>	90.00 ft	<b>Yield</b>	141 gallons per minute
<b>Pumping Water Level</b>	288 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>	02/20/1991	<b>Bin</b>	
<b>Storage</b>	OD2-649,650	<b>Number of Samples</b>	144
<b>Number of Boxes</b>	2	<b>Sample Gaps</b>	
<b>Sample Intervals</b>	5	<b>Sample Bottom</b>	660 ft
<b>Sample Top</b>	0 ft	<b>Washed Bottom</b>	660 ft
<b>Washed Top</b>	135 ft		
<b>Duplicate Storage</b>			
<b>Comments</b>			

<https://www.iihr.uiowa.edu/igs/geosam/well/31926/general-information>