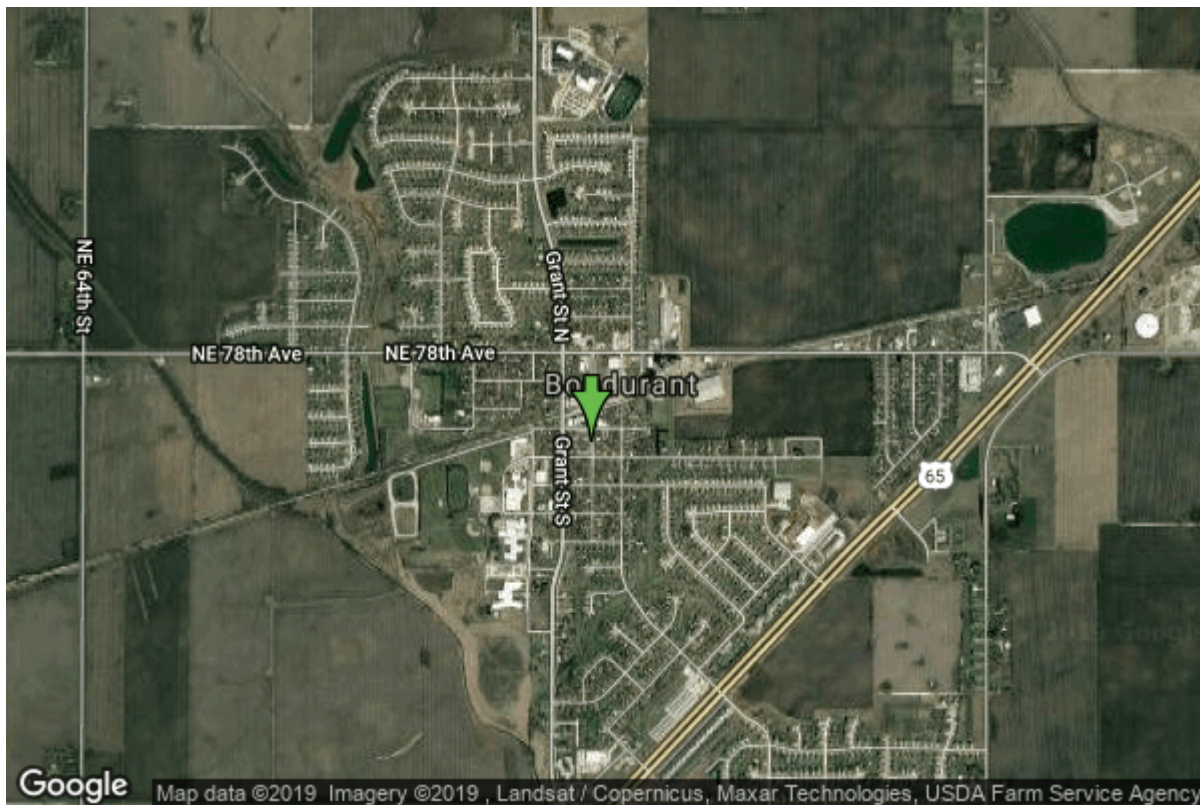


Well W#4843 Information



Date Received		State	Iowa
Owner Name	Bondurant, City Of	County	Polk
Alt Name	#1	Quadrangle	Altoona, Iowa
WNumber	4843	Township	T80N
PWTS ID	0	Range	R22W
PWS ID	7717032	Section	31
Storet ID	0	Quarter	NW NW SE
SDWIS ID	0	Latitude	41.7000730000
USGS ID	0	Longitude	-93.4613800000
Project Operator	Source Water Protection Unknown	Accuracy	
		UTM X	461611
		UTM Y	4616579

Site Type	Drilled hole	Drilling Company	Hoeg & Ames (H.M. White)
Well Status	Not Used	Drilling Date	04/21/1951
Field Located	No	Drilling Method	Cable
Elevation	969 ft	Bedrock Depth	95 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	650 ft
Landscape Position	Upland	Total Depth	650 ft
		Well Types	Municipal
		Aquifers	Mississippian

Casing Construction Information

Date	04/21/1951	Casing Type	Unknown
Start Depth	0.00 ft	End Depth	350.00 ft
Diameter	8.00 in	Amount	350.00 ft
Comments			

Log Information

Date	04/01/1951
Log Types	Strip log
Prepared By	Unknown
Comments	

Date	
Log Types	Drillers log
Prepared By	Unknown
Comments	

Stratigraphy Information

System	Quaternary		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	0.00 ft	End Depth	5.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Soil Or Fill	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	5.00 ft	End Depth	20.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Oxidized And Unleached	Percent	100

Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	20.00 ft	End Depth	35.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	35.00 ft	End Depth	50.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Paleosol	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	50.00 ft	End Depth	95.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Oxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Pennsylvanian (Subsystem Of Carboniferous System)		
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Series
Group
Formation
Member
Submember
Start Depth 95.00 ft **End Depth** 341.00 ft
Contact Accuracy
Penetration
Primary Lithology Shale **Percent** 0
Secondary Lithology Siltstone **Percent** 0
Tertiary Lithology Sandstone **Percent** 0
Comments

System Mississippian (Subsystem Of Carboniferous System)
Series
Group Augusta
Formation Warsaw
Member
Submember
Start Depth 341.00 ft **End Depth** 380.00 ft
Contact Accuracy
Penetration
Primary Lithology Dolomite **Percent** 0
Secondary Lithology Shale **Percent** 0
Tertiary Lithology Sandstone **Percent** 0
Comments

System Mississippian (Subsystem Of Carboniferous System)
Series
Group Augusta
Formation Keokuk
Member
Submember
Start Depth 380.00 ft **End Depth** 460.00 ft
Contact Accuracy
Penetration
Primary Lithology Dolomite **Percent** 0
Secondary Lithology Chert/Chalcedony **Percent** 0
Tertiary Lithology Shale **Percent** 0
Comments

System Mississippian (Subsystem Of Carboniferous System)
Series
Group Augusta
Formation Burlington
Member
Submember
Start Depth 460.00 ft **End Depth** 535.00 ft
Contact Accuracy

Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Shale	Percent	0
Tertiary Lithology	Chert/Chalcedony	Percent	0
Comments			

System	Unknown		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	535.00 ft	End Depth	550.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	Sub-Augusta		
Formation	Gilmore City		
Member	Iowa Falls Dolomite		
Submember			
Start Depth	550.00 ft	End Depth	570.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Sandstone	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	Sub-Augusta		
Formation	Maynes Creek		
Member	Eagle City		
Submember			
Start Depth	570.00 ft	End Depth	585.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
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Series			
Group	Sub-Augusta		
Formation	Maynes Creek		
Member			
Submember			
Start Depth	585.00 ft	End Depth	630.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Chert/Chalcedony	Percent	0
Tertiary Lithology	Limestone	Percent	0
Comments			

System	Mississippian (Subsystem Of Carboniferous System)		
Series			
Group	North Hill		
Formation			
Member			
Submember			
Start Depth	630.00 ft	End Depth	635.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Limestone	Percent	0
Tertiary Lithology	Chert/Chalcedony	Percent	0
Comments			

System	Devonian		
Series			
Group	Yellow Spring (New Albany)		
Formation	Maple Mill		
Member			
Submember			
Start Depth	635.00 ft	End Depth	650.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	04/21/1951	Start Time	
Aquifer	Unknown		
Static Water Level	160.00 ft	Yield	36 gallons per minute
Pumping Water Level	292 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	No

Pump Method	Unknown	Duration	0 mins
Comments			

Chip Storage Information

Date	04/09/1951		
Storage	C110-9,10	Bin	
Number of Boxes	2	Number of Samples	112
Sample Intervals	5	Sample Gaps	440-60,485-90,560-70
Sample Top	0 ft	Sample Bottom	650 ft
Washed Top	95 ft	Washed Bottom	650 ft
Duplicate Storage			
Comments			

<https://www.iuhr.uiowa.edu/igs/geosam/well/4843/general-information>