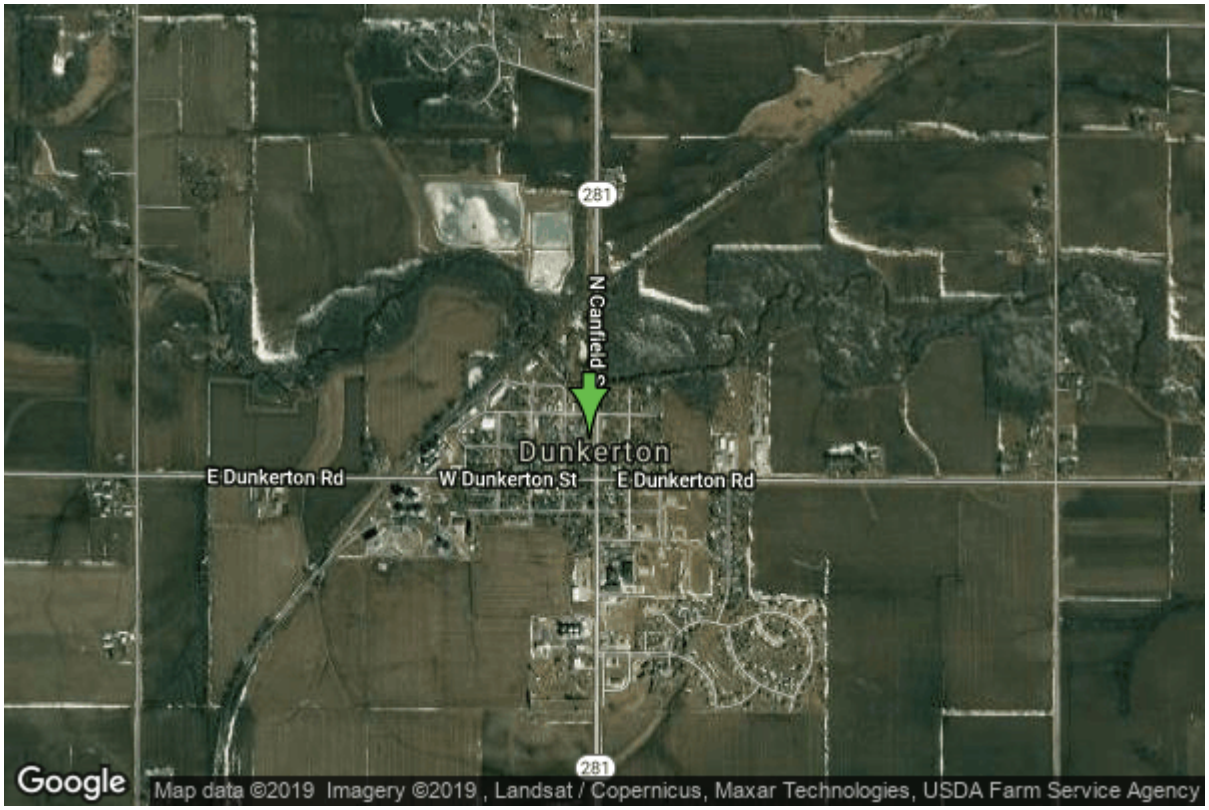
Well W#67793 Information



Date Received	10/29/2009	**State**	Iowa
Owner Name	Dunkerton, City Of	**County**	Black Hawk
Alt Name	#3	**Quadrangle**	Dunkerton, Iowa
WNumber	67793	**Township**	T90N
PWTS ID	0	**Range**	R11W
PWS ID	717084	**Section**	28
Storet ID	0	**Quarter**	SW SW SW
SDWIS ID	2588412	**Latitude**	42.5712130000
USGS ID	0	**Longitude**	-92.1604420000
Project	Source Water Protection	**Accuracy**	
Operator	Unknown	**UTM X**	568905
		UTM Y	4713542

Site Type	Drilled hole	**Drilling Company**	Shawver Well Co.
Well Status	Active	**Drilling Date**	05/07/2009
Field Located	No	**Drilling Method**	Unknown
Elevation	947 ft	**Bedrock Depth**	111 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	**Well Depth**	286 ft
		Total Depth	286 ft
Landscape Position	Level Surface	**Well Types**	Municipal, Public Supply
		Aquifers	Silurian/Devonian

Hole Construction Information

Date	06/05/2009		
Diameter	26.00 in	**Depth**	2.00 ft

Comments

Date	06/05/2009		
Diameter	21.00 in	**Depth**	32.00 ft
Comments			

Date	06/05/2009		
Diameter	17.00 in	**Depth**	127.00 ft
Comments			

Date	06/05/2009		
Diameter	11.88 in	**Depth**	286.00 ft
Comments			

Casing Construction Information

Date	06/05/2009	**Casing Type**	Steel
Start Depth	0.00 ft	**End Depth**	135.50 ft
Diameter	11.75 in	**Amount**	135.50 ft
Comments			

Grout Construction Information

Date	06/05/2009		
Grout Type	Quick Jel	**Grout Placement**	Unknown
Start Depth	0.00 ft	**End Depth**	0.00 ft
Comments	30 Bags		

Log Information

Date	
Log Types	Drillers log
Prepared By	Unknown
Comments	

Date	
Log Types	Strip 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**	80
Secondary Lithology	Gravel	**Percent**	20
Tertiary Lithology		**Percent**	
Comments			

System	Quaternary		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	5.00 ft	**End Depth**	30.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sand And Gravel	**Percent**	100
Secondary Lithology		**Percent**	
Tertiary Lithology		**Percent**	
Comments			

System	Quaternary		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	30.00 ft	**End Depth**	35.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till - Unoxidized And Unleached	**Percent**	50
Secondary Lithology	Sand And Gravel	**Percent**	50
Tertiary Lithology		**Percent**	
Comments			

System	Quaternary		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	35.00 ft	**End Depth**	105.00 ft
Contact Accuracy			
Penetration			

Primary Lithology	Till - Unoxidized And Unleached	**Percent**	100
Secondary Lithology		**Percent**	
Tertiary Lithology		**Percent**	
Comments			

System	Quaternary		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	105.00 ft	**End Depth**	110.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Gravel	**Percent**	70
Secondary Lithology	Till - Unoxidized And Unleached	**Percent**	30
Tertiary Lithology		**Percent**	
Comments			

System	Devonian		
Series			
Group	Wapsipinicon		
Formation	Pinicon Ridge		
Member	Davenport		
Submember			
Start Depth	110.00 ft	**End Depth**	115.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	60
Secondary Lithology	Gravel	**Percent**	40
Tertiary Lithology		**Percent**	
Comments			

System	Devonian		
Series			
Group	Wapsipinicon		
Formation	Pinicon Ridge		
Member	Davenport		
Submember			
Start Depth	115.00 ft	**End Depth**	130.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	97
Secondary Lithology	Gravel	**Percent**	3
Tertiary Lithology		**Percent**	
Comments			

System	Devonian		
Series			
Group	Wapsipinicon		
Formation	Pinicon Ridge		
Member	Kenwood		
Submember			
Start Depth	130.00 ft	**End Depth**	145.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	95
Secondary Lithology	Sand	**Percent**	5
Tertiary Lithology		**Percent**	
Comments			

System	Silurian		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	145.00 ft	**End Depth**	190.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	92
Secondary Lithology	Chert/Chalcedony	**Percent**	8
Tertiary Lithology		**Percent**	
Comments			

System	Silurian		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	190.00 ft	**End Depth**	200.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	80
Secondary Lithology	Sand	**Percent**	15
Tertiary Lithology	Chert/Chalcedony	**Percent**	5
Comments			

System	Silurian
Series	
Group	
Formation	
Member	
Submember	

Start Depth	200.00 ft	**End Depth**	205.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Unknown	**Percent**	0
Secondary Lithology	Unknown	**Percent**	0
Tertiary Lithology	Unknown	**Percent**	0
Comments			

System	Silurian		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	205.00 ft	**End Depth**	285.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	98
Secondary Lithology	Chert/Chalcedony	**Percent**	2
Tertiary Lithology	Unknown	**Percent**	0
Comments			

System	Ordovician		
Series			
Group			
Formation	Maquoketa		
Member	Brainard Shale		
Submember			
Start Depth	285.00 ft	**End Depth**	286.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	70
Secondary Lithology	Shale	**Percent**	30
Tertiary Lithology		**Percent**	
Comments			

Water Production Information

Date	05/07/2009	**Start Time**	
Aquifer	Unknown		
Static Water Level	40.00 ft	**Yield**	800 gallons per minute
Pumping Water Level	125 ft	**Yield Method**	Unknown
Measurement	Unknown	**Pump Test**	Yes
Pump Method	Airlifted	**Duration**	240 mins
Comments			

Chip Storage Information

Date	12/14/2009		
Storage	OD5-886>887	**Bin**	
Number of Boxes	2	**Number of Samples**	56
Sample Intervals	5	**Sample Gaps**	
Sample Top	0 ft	**Sample Bottom**	286 ft
Washed Top	110 ft	**Washed Bottom**	286 ft
Duplicate Storage			
Comments			

https://www.iihr.uiowa.edu/igs/geosam/well/67793/general-information