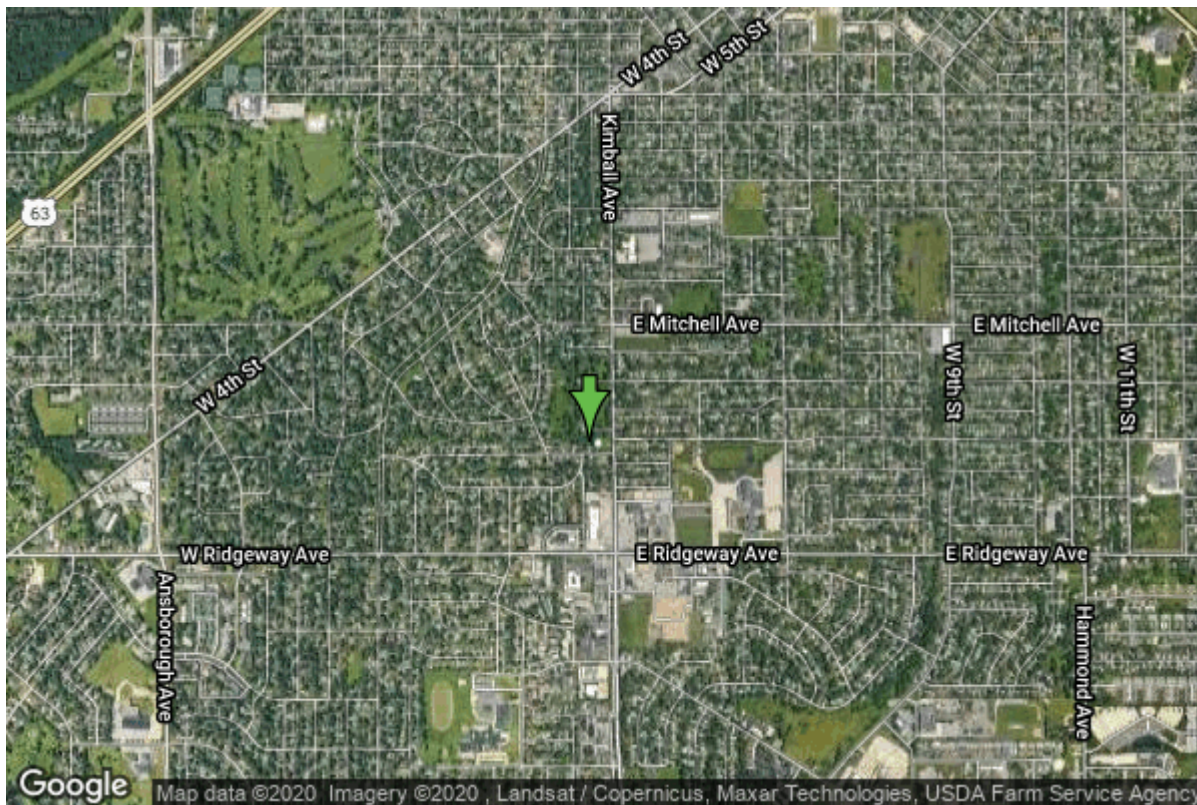


Well W#12031 Information



Date Received		State	Iowa
Owner Name	Waterloo, City Of	County	Black Hawk
Alt Name	Well #17	Quadrangle	Waterloo South, Iowa
WNumber	12031	Township	T89N
PWTS ID	0	Range	R13W
PWS ID	790074	Section	34
Storet ID	31070001	Quarter	SE SE NE
SDWIS ID	2412618	Latitude	42.4728920000
USGS ID	422819092212701	Longitude	-92.3573780000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	552825
		UTM Y	4702483

Site Type	Drilled hole	Drilling Company	Thorpe Well Co.
Well Status	Active	Drilling Date	01/01/1960
Field Located	No	Drilling Method	Cable
Elevation	950 ft	Bedrock Depth	0 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	215 ft
Landscape Position	Unknown	Total Depth	215 ft
		Well Types	Municipal, Public Supply
		Aquifers	Devonian

Hole Construction Information

Date	01/01/1960	Depth	0.00 ft
Diameter	30.00 in		

Comments

Date	01/01/1960	Depth	215.00 ft
Diameter	19.00 in		
Comments			

Casing Construction Information

Date	01/01/1960	Casing Type	Unknown
Start Depth	-1.00 ft	End Depth	121.00 ft
Diameter	24.00 in	Amount	122.00 ft
Comments			

Date	01/01/1960	Casing Type	Unknown
Start Depth	-3.00 ft	End Depth	151.80 ft
Diameter	20.00 in	Amount	154.70 ft
Comments			

Screen Construction Information

Date	01/01/1960	Slot Size	0.00
Screen Type	Unknown	End Depth	215.00 ft
Start Depth	145.00 ft	Amount	70 ft
Diameter	0.00 in		
Comments			

Log Information

Date	10/10/1961
Log Types	Strip log
Prepared By	Northup, Richard Cox
Comments	

Date	
Log Types	Drillers log
Prepared By	Thorpe Well Co.
Comments	

Formation Information

Formation Color	No Color Noted	Formation Lithology	soil or fill
Start Depth	0.00 ft	End Depth	2.00 ft
Comments			

Formation Color	Yellow	Formation Lithology	sandy clay
-----------------	--------	---------------------	------------

Start Depth	2.00 ft	End Depth	17.00 ft
Comments			
Formation Color	Blue	Formation Lithology	sandy clay
Start Depth	17.00 ft	End Depth	30.00 ft
Comments			
Formation Color	Blue	Formation Lithology	clay and gravel
Start Depth	30.00 ft	End Depth	35.00 ft
Comments			
Formation Color	Blue	Formation Lithology	sandy clay
Start Depth	35.00 ft	End Depth	60.00 ft
Comments			
Formation Color	Blue	Formation Lithology	clay and gravel
Start Depth	60.00 ft	End Depth	65.00 ft
Comments			
Formation Color	Blue	Formation Lithology	sandy clay
Start Depth	65.00 ft	End Depth	102.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	102.00 ft	End Depth	108.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	108.00 ft	End Depth	130.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	130.00 ft	End Depth	155.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	155.00 ft	End Depth	165.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	165.00 ft	End Depth	176.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	176.00 ft	End Depth	180.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	180.00 ft	End Depth	185.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	limestone
Start Depth	185.00 ft	End Depth	215.00 ft
Comments			

Stratigraphy Information

System	Quaternary		
Series	Pleistocene Series		
Group	Pre-Illinoian		
Formation			
Member			
Submember			
Start Depth	0.00 ft	End Depth	102.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Devonian		
Series			
Group	Cedar Valley		
Formation			
Member			
Submember			
Start Depth	102.00 ft	End Depth	215.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Limestone	Percent	0
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	01/01/1960	Start Time	
Aquifer	Unknown		
Static Water Level	116.00 ft	Yield	2330 gallons per minute
Pumping Water Level	0 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	No
Pump Method	Unknown	Duration	0 mins

Comments

Chip Storage Information

Date	05/17/1960		
Storage	TL1-84	Bin	
Number of Boxes	1	Number of Samples	39
Sample Intervals	5	Sample Gaps	155-160,185-215
Sample Top	0 ft	Sample Bottom	185 ft
Washed Top	100 ft	Washed Bottom	185 ft
Duplicate Storage			
Comments			

<https://www.ihr.uiowa.edu/igs/geosam/well/12031/general-information>