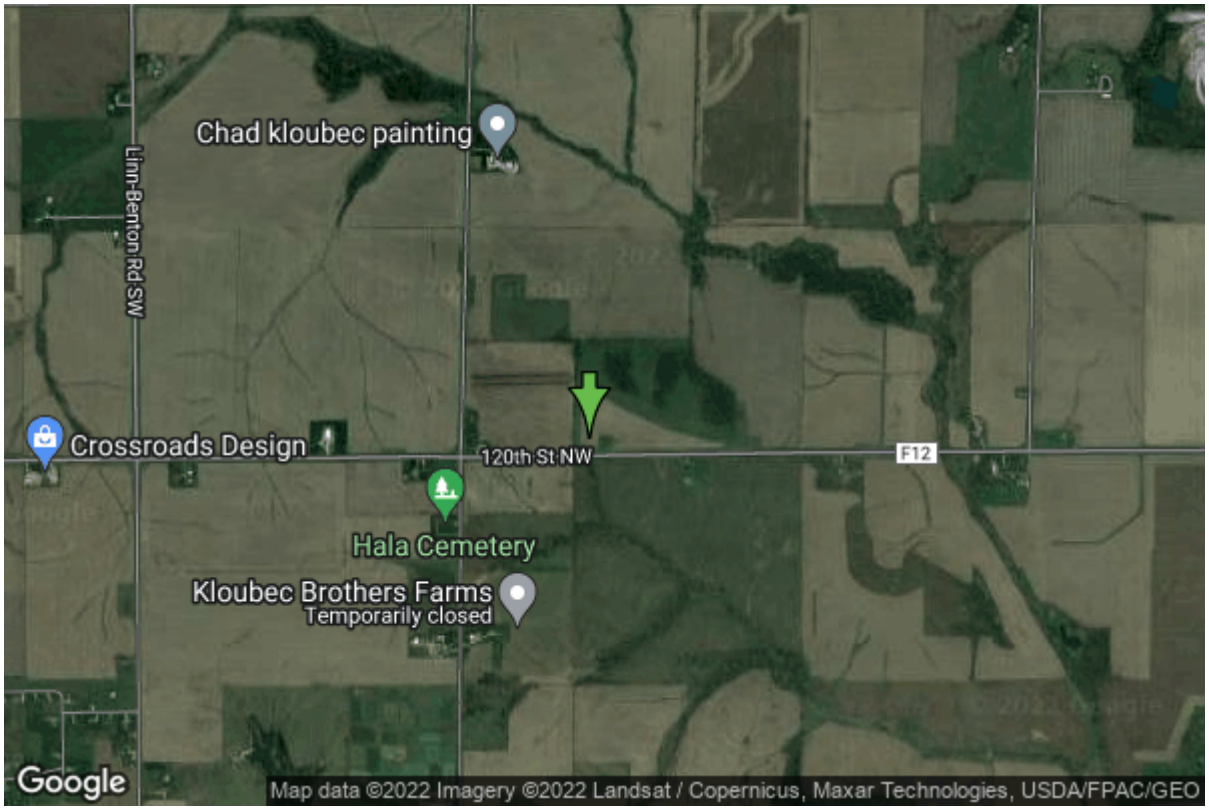
Well W#23166 Information



Date Received		**State**	Iowa
Owner Name	Igs-Usgs	**County**	Johnson
Alt Name	#1; FIRST HOLE	**Quadrangle**	Amana, Iowa
WNumber	23166	**Township**	T81N
PWTS ID	0	**Range**	R8W
PWS ID	0	**Section**	5
Storet ID	0	**Quarter**	SW SW SW SE
SDWIS ID	0	**Latitude**	41.8479460000
USGS ID	415052091483801	**Longitude**	-91.8110900000
Project	Carbonate Hydrology	**Accuracy**	
Operator	Iowa Geological Survey	**UTM X**	598698
		UTM Y	4633577

Site Type	Drilled hole	**Drilling Company**	Igs/Usgs
Well Status	Active	**Drilling Date**	04/26/1972
Field Located	Yes	**Drilling Method**	Unknown
Elevation	820 ft	**Bedrock Depth**	99 ft
Elevation Accuracy	Topo Map Accurate to 2 ft	**Well Depth**	533 ft
		Total Depth	533 ft
Landscape Position	Unknown	**Well Types**	Exploration (Other)
		Aquifers	

Casing Construction Information

Date	04/26/1972	**Casing Type**	Steel
Start Depth	-1.00 ft	**End Depth**	133.00 ft

Diameter	5.00 in	**Amount**	134.00 ft
Comments			

Log Information

Date	01/15/1974
Log Types	Strip log
Prepared By	Bunker, Billy Joe; Koch, Donald Leroy
Comments	

Date	
Log Types	Drillers log
Prepared By	Igs-Usgs
Comments	

Date	
Log Types	Neutron Log
Prepared By	IGS
Comments	

Date	
Log Types	Density Log
Prepared By	IGS
Comments	

Date	
Log Types	Natural Gamma Log
Prepared By	IGS
Comments	

Date	
Log Types	Flowmeter Log
Prepared By	IGS
Comments	not pumping

Date	
Log Types	Flowmeter Log
Prepared By	IGS
Comments	pumping 75 gpm

Date	
Log Types	Flowmeter Log
Prepared By	IGS
Comments	pumping @ 75 gpm down at 10'/min up at 30'/min

Date	
Log Types	Caliper Log

Prepared By	IGS
Comments	

Date	
Log Types	Conductivity Log, Temperature Log
Prepared By	IGS
Comments	

Date	
Log Types	Resistivity Log, Spontaneous Potential Log
Prepared By	IGS
Comments	

Stratigraphy Information

System	Quaternary		
Series	Pleistocene Series		
Group			
Formation			
Member			
Submember			
Start Depth	0.00 ft	**End Depth**	100.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Till	**Percent**	100
Secondary Lithology	Unknown	**Percent**	0
Tertiary Lithology	Unknown	**Percent**	0
Comments			

System	Pennsylvanian (Subsystem Of Carboniferous System)		
Series			
Group	Cherokee		
Formation			
Member			
Submember			
Start Depth	100.00 ft	**End Depth**	131.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	**Percent**	70
Secondary Lithology	Shale	**Percent**	30
Tertiary Lithology	Unknown	**Percent**	0
Comments			

System	Devonian
Series	
Group	Cedar Valley
Formation	
Member	

Submember			
Start Depth	131.00 ft	**End Depth**	216.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	100
Secondary Lithology	Unknown	**Percent**	0
Tertiary Lithology	Unknown	**Percent**	0
Comments			

System	Devonian		
Series			
Group	Wapsipinicon		
Formation	Pinicon Ridge		
Member	Davenport		
Submember			
Start Depth	216.00 ft	**End Depth**	234.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Limestone	**Percent**	100
Secondary Lithology	Unknown	**Percent**	0
Tertiary Lithology	Unknown	**Percent**	0
Comments			

System	Devonian		
Series			
Group	Wapsipinicon		
Formation	Pinicon Ridge		
Member	Spring Grove		
Submember			
Start Depth	234.00 ft	**End Depth**	255.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	100
Secondary Lithology		**Percent**	
Tertiary Lithology		**Percent**	
Comments			

System	Devonian		
Series			
Group	Wapsipinicon		
Formation	Pinicon Ridge		
Member	Kenwood		
Submember			
Start Depth	255.00 ft	**End Depth**	275.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	0
Secondary Lithology	Sand	**Percent**	0
Tertiary Lithology	Chert/Chalcedony	**Percent**	0

Comments

System	Silurian		
Series			
Group			
Formation	Hopkinton		
Member			
Submember			
Start Depth	275.00 ft	**End Depth**	480.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	0
Secondary Lithology	Chert/Chalcedony	**Percent**	0
Tertiary Lithology		**Percent**	
Comments			

System	Silurian		
Series			
Group			
Formation	Blanding		
Member			
Submember			
Start Depth	480.00 ft	**End Depth**	521.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	**Percent**	0
Secondary Lithology	Chert/Chalcedony	**Percent**	0
Tertiary Lithology		**Percent**	
Comments			

System	Ordovician		
Series			
Group			
Formation	Maquoketa		
Member			
Submember			
Start Depth	521.00 ft	**End Depth**	533.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	**Percent**	100
Secondary Lithology		**Percent**	
Tertiary Lithology		**Percent**	
Comments			

Water Production Information

Date		**Start Time**	
Aquifer	Unknown		

Static Water Level	73.00 ft	**Yield**	0 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	06/05/1972		
Storage	PL8-727	**Bin**	
Number of Boxes	1	**Number of Samples**	64
Sample Intervals	0	**Sample Gaps**	173-533
Sample Top	0 ft	**Sample Bottom**	173 ft
Washed Top	131 ft	**Washed Bottom**	173 ft
Duplicate Storage			
Comments			

Core Storage Information

Date		**Percent Recovery**	0 %
Storage	E33L4 - E36C3	**Number Boxes**	40
Start Depth	173.00 ft	**End Depth**	533.00 ft
Diameter	Unknown	**Split**	Unknown
Microfossils	No	**Thin Sections**	No
Comments			

https://www.iihr.uiowa.edu/igs/geosam/well/23166/general-information