Well W#23291 Information



Date Received		State	Iowa
Owner Name	Tama Meat Packing	County	Tama
	Division	Quadrangle	Tama, Iowa
Alt Name	TAMA MEAT PACKING,	Township	T83N
	INC.	Range	R15W
WNumber	23291	Section	36
PWTS ID	0	Quarter	NW SW NW
PWS ID	8670101	Latitude	41.9594100000
Storet ID	0	Longitude	-92.5504700000
SDWIS ID	2410431	Accuracy	
USGS ID	0	UTM X	537253
Project	Source Water Protection	UTM Y	4645367
Operator	Unknown		
Site Type	Drilled hole	Drilling Company	Varner Well Co.
Well Status	Not Used	Drilling Date	12/01/1973
Field Located	No	Drilling Method	Rotary
Elevation	810 ft	Bedrock Depth	0 ft
Elevation Accuracy	Digital Elevation Model	Well Depth	1920 ft
	Accurate to 5 ft	Total Depth	1920 ft
Landscape Position	Valley	Well Types	Commercial, Public
			Supply
		Aquifers	Cambrian-Ordovician

Aquifers

Casing Construction Information

Date Start Depth Diameter Comments	12/01/1973 0.00 ft 24.00 in	Casing Type End Depth Amount	Steel 80.00 ft 80.00 ft	
Date	12/01/1973	Casing Type	Steel	
Start Depth	0.00 ft	End Depth	280.00 ft	
Diameter	20.00 in	Amount	280.00 ft	
Comments				
Date	12/01/1973	Casing Type	Steel	
Start Depth	-3.00 ft	End Depth	1395.00 ft	
Diameter	12.75 in	Amount	1398.00 ft	
Comments				

Log Information

Date Log Types Prepared By Comments	12/13/1976 Pump Test	
Date	03/01/1975	
Log Types	Strip log	
Prepared By	Gilmore, Jackson Lee	
Comments		
Date		

Duto
Log Types
Prepared By
Comments

Drillers log

Stratigraphy Information

System	Unknown		
System	UTIKITOWIT		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	0.00 ft	End Depth	100.00 ft
Contact Accuracy			
Penetration			
Primary Lithology		Percent	

Secondary Lithology Tertiary Lithology Comments		Percent Percent		
System Series	Devonian			
Group	Yellow Spring (New	v Albany)		
Formation	Lime Creek			
Member	Cerro Gordo			
Submember				
Start Depth	100.00 ft	End Depth	145.00 ft	
Contact Accuracy				
Penetration				
Primary Lithology	Dolomite	Percent	0	
Secondary Lithology	Limestone	Percent	0	
Tertiary Lithology Comments		Percent		
System Series	Devonian			
Group	Yellow Spring (New	v Albany)		
Formation	Lime Creek			
Member	Juniper Hill			
Submember				
Start Depth	145.00 ft	End Depth	281.00 ft	
Contact Accuracy				
Penetration				
Primary Lithology	Dolomite	Percent	0	
Secondary Lithology	Shale	Percent	0	
Tertiary Lithology Comments	Limestone	Percent	0	
System Series	Devonian			
Group	Cedar Valley			
Formation	Coralville			
Member				
Submember				
Start Depth	281.00 ft	End Depth	326.00 ft	
Contact Accuracy				
Penetration				
Primary Lithology	Limestone	Percent	0	
Secondary Lithology	Dolomite	Percent	0	
Tertiary Lithology Comments	Shale	Percent	0	
System Series	Devonian			
Group	Cedar Valley			

Formation Member Submombor	Little Cedar Rapid		
Start Depth Contact Accuracy	326.00 ft	End Depth	485.00 ft
Primary Lithology Secondary Lithology	Dolomite Limestone	Percent Percent	0 0
Tertiary Lithology Comments	Gypsum/Anhydrite	Percent	0
System Series	Devonian		
Group Formation Member Submember	Cedar Valley Little Cedar Solon		
Start Depth Contact Accuracy Penetration	485.00 ft	End Depth	553.00 ft
Primary Lithology Secondary Lithology Tertiary Lithology Comments	Dolomite	Percent Percent Percent	100
System Series	Devonian		
System Series Group Formation Member Submember	Devonian Wapsipinicon		
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration	Devonian Wapsipinicon 553.00 ft	End Depth	650.00 ft
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments	Devonian Wapsipinicon 553.00 ft Gypsum/Anhydrite Dolomite	End Depth Percent Percent Percent	650.00 ft 0 0
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments System Series Group	Devonian Wapsipinicon 553.00 ft Gypsum/Anhydrite Dolomite Silurian	End Depth Percent Percent Percent	650.00 ft 0 0
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member Submember	Devonian Wapsipinicon 553.00 ft Gypsum/Anhydrite Dolomite Silurian Laporte City	End Depth Percent Percent Percent	650.00 ft 0
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration	Devonian Wapsipinicon 553.00 ft Gypsum/Anhydrite Dolomite Silurian Laporte City 650.00 ft	End Depth Percent Percent Percent	650.00 ft 0 0

Secondary Lithology Tertiary Lithology Comments	Limestone Dolomite	Percent Percent	0 0
System Series Group Formation Member Submember	Silurian		
Start Depth Contact Accuracy Penetration	755.00 ft	End Depth	791.00 ft
Primary Lithology Secondary Lithology Tertiary Lithology Comments	Dolomite Chert/Chalcedony	Percent Percent Percent	0 0
System Series Group	Ordovician		
Formation Member Submember	Maquoketa		
Start Depth Contact Accuracy Penetration	791.00 ft	End Depth	965.00 ft
Primary Lithology Secondary Lithology Tertiary Lithology Comments	Shale Dolomite Chert/Chalcedony	Percent Percent Percent	0 0 0
System Series	Ordovician		
Formation Member Submember	Maquoketa Elgin Limestone		
Start Depth Contact Accuracy Penetration	965.00 ft	End Depth	1046.00 ft
Primary Lithology Secondary Lithology Tertiary Lithology Comments	Dolomite Chert/Chalcedony Shale	Percent Percent Percent	0 0 0
System Series Group	Unknown		

Member			
Submember			
Start Depth	1046.00 ft	End Depth	1136.00 ft
Contact Accuracy		•	
Penetration			
Primary Lithology	Dolomite	Percent	0
Secondary Lithology	Limestone	Percent	0
Tertiary Lithology		Percent	
Comments			
System	Ordovician		
Series			
Group	Galena		
Formation	Dunieith		
Nember			
Submember Start Depth	1126 00 ft	End Donth	1247 00 ft
Contact Accuracy	1130.00 It	End Depth	1247.00 II
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Ordovician		
System Series	Ordovician		
System Series Group	Ordovician Galena		
System Series Group Formation	Ordovician Galena Decorah		
System Series Group Formation Member Submomber	Ordovician Galena Decorah Ion		
System Series Group Formation Member Submember Start Depth	Ordovician Galena Decorah Ion 1247 00 ft	End Denth	1256 00 ft
System Series Group Formation Member Submember Start Depth Contact Accuracy	Ordovician Galena Decorah Ion 1247.00 ft	End Depth	1256.00 ft
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration	Ordovician Galena Decorah Ion 1247.00 ft	End Depth	1256.00 ft
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology	Ordovician Galena Decorah Ion 1247.00 ft Dolomite	End Depth Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology	Ordovician Galena Decorah Ion 1247.00 ft Dolomite	End Depth Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology	Ordovician Galena Decorah Ion 1247.00 ft Dolomite	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments	Ordovician Galena Decorah Ion 1247.00 ft Dolomite	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments System Series	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician Galena	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician Galena Decorah	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician Galena Decorah Guttenberg	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member Submember	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician Galena Decorah Guttenberg	End Depth Percent Percent Percent	1256.00 ft 100
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member Submember Start Depth	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician Galena Decorah Guttenberg 1256.00 ft	End Depth Percent Percent Percent	1256.00 ft 100 1261.00 ft
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member Submember Start Depth Contact Accuracy	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician Galena Decorah Guttenberg 1256.00 ft	End Depth Percent Percent Percent	1256.00 ft 100 1261.00 ft
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration	Ordovician Galena Decorah Ion 1247.00 ft Dolomite Ordovician Galena Decorah Guttenberg 1256.00 ft	End Depth Percent Percent Percent	1256.00 ft 100 1261.00 ft

Secondary Lithology Tertiary Lithology Comments		Percent Percent	
System Series	Ordovician		
Group	Galena		
Formation	Decorah		
Member	Spechts Ferry		
Submember			
Start Depth	1261.00 ft	End Depth	1265.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Ordovician		
Series			
Group	Galena		
Formation	Platteville		
Member	Mcgregor		
Submember			
Start Depth	1265.00 ft	End Depth	1305.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology Comments		Percent	
Svstem	Ordovician		
Series			
Group	Galena		
Formation	Platteville		
Member	Pecatonica		
Submember			
Start Depth	1305.00 ft	End Depth	1316.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System Series	Ordovician		
Group	Ancell		

Formation Member Submember	Glenwood Harmony Hill		1320.00 ft 100		
Start Depth Contact Accuracy Penetration	1316.00 ft	End Depth	1320.00 ft		
Primary Lithology Secondary Lithology Tertiary Lithology Comments	Shale	Percent Percent Percent	100		
System Series	Ordovician				
Group Formation Member Submember	Ancell St. Peter Sandstone				
Start Depth Contact Accuracy Penetration	1320.00 ft	End Depth	1348.00 ft		
Primary Lithology Secondary Lithology Tertiary Lithology Comments	Sandstone	Percent Percent Percent	100		
System Series	Ordovician				
System Series Group Formation Member Submember	Ordovician Prairie Du Chien Shakopee Willow River				
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration	Ordovician Prairie Du Chien Shakopee Willow River 1348.00 ft	End Depth	1570.00 ft		
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments	Ordovician Prairie Du Chien Shakopee Willow River 1348.00 ft Dolomite Sandstone Chert/Chalcedony	End Depth Percent Percent Percent Percent	1570.00 ft 0 0		
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Tertiary Lithology Comments System	Ordovician Prairie Du Chien Shakopee Willow River 1348.00 ft Dolomite Sandstone Chert/Chalcedony Ordovician	End Depth Percent Percent Percent	1570.00 ft 0 0		
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member Submember	Ordovician Prairie Du Chien Shakopee Willow River 1348.00 ft Dolomite Sandstone Chert/Chalcedony Ordovician Prairie Du Chien Shakopee New Richmond	End Depth Percent Percent Percent	1570.00 ft 0 0		
System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration Primary Lithology Secondary Lithology Comments System Series Group Formation Member Submember Start Depth Contact Accuracy Penetration	Ordovician Prairie Du Chien Shakopee Willow River 1348.00 ft Dolomite Sandstone Chert/Chalcedony Ordovician Prairie Du Chien Shakopee New Richmond 1570.00 ft	End Depth Percent Percent Percent	1570.00 ft 0 0 1615.00 ft		

Secondary Lithology Tertiary Lithology Comments		Percent Percent	
System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation	Oneota		
Member			
Submember			
Start Depth	1615.00 ft	End Depth	1820.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			
System	Cambrian		
Series			
Group			
Formation	Jordan		
Member			
Submember			
Start Depth	1820.00 ft	End Depth	1920.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	0
Secondary Lithology	Dolomite	Percent	0
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	12/01/1973	Start Time	
Aquifer	Unknown		
Static Water Level	250.00 ft	Yield	1600 gallons per minute
Pumping Water Level	284 ft	Yield Method	Unknown
Measurement	Unknown	Pump Test	No
Pump Method	Unknown	Duration	0 mins
Comments			

Chip Storage Information

 Date
 12/18/1973

 Storage
 PL8-830->833

 Number of Boxes
 4

Bin Number of Samples 353

Samp	le	Interv	als
			a

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Sample Gaps

Sample Top Washed Top Duplicate Storage Comments

100 ft 110 ft Sample Bottom Washed Bottom 0-100,995-1000,1545-155 0,1875-1920 1875 ft 1875 ft

https://www.iihr.uiowa.edu/igs/geosam/well/23291/general-information