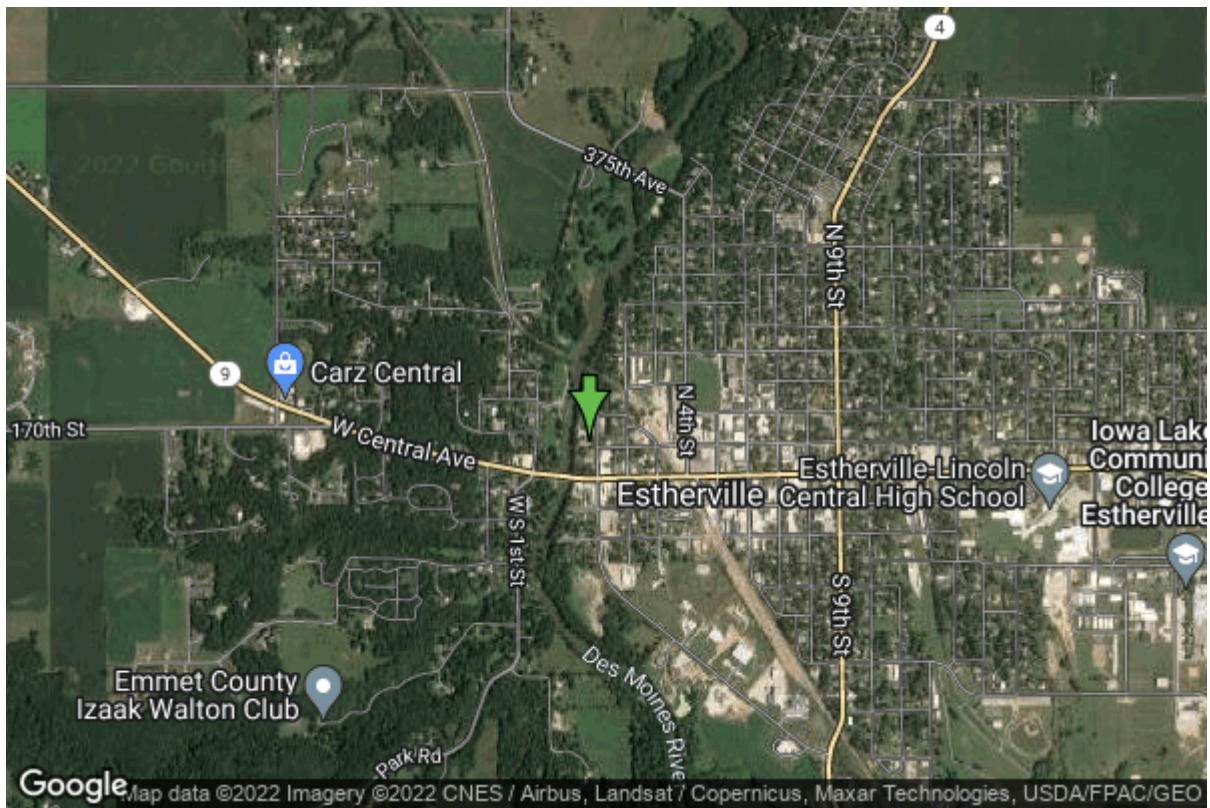


Well W#10262 Information



Date Received		State	Iowa
Owner Name	Estherville, City Of	County	Emmet
Alt Name	#8	Quadrangle	Estherville, Iowa
WNumber	10262	Township	T99N
PWTS ID	0	Range	R34W
PWS ID	3218024	Section	10
Storet ID	0	Quarter	SE NW SE
SDWIS ID	2409413	Latitude	43.4030100000
USGS ID	0	Longitude	-94.8427500000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	350784
		UTM Y	4807219

Site Type	Drilled hole	Drilling Company	Thorpe Well Co.
Well Status	Active	Drilling Date	08/01/1958
Field Located	No	Drilling Method	Cable
Elevation	1280 ft	Bedrock Depth	135 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	715 ft
Landscape Position	Unknown	Total Depth	756 ft
		Well Types	Municipal, Public Supply
		Aquifers	Cambrian-Ordovician

Casing Construction Information

Date	03/01/2005	Casing Type	
Start Depth	0.00 ft	End Depth	462.00 ft

Diameter	10.00 in	Amount	462.00 ft
Comments	Well recased 3/25. Information from water operator. 2/2015		

Date	08/01/1958	Casing Type	Steel
Start Depth	0.00 ft	End Depth	244.00 ft
Diameter	26.00 in	Amount	244.00 ft
Comments			

Date	08/01/1958	Casing Type	Steel
Start Depth	0.00 ft	End Depth	461.10 ft
Diameter	20.00 in	Amount	461.10 ft
Comments			

Log Information

Date	10/12/1960
Log Types	Strip log
Prepared By	Koch, Donald Leroy
Comments	

Date	
Log Types	Drillers log
Prepared By	Estherville, City Of
Comments	

Stratigraphy Information

System	Quaternary		
Series	Pleistocene Series		
Group	Wisconsinan Episode		
Formation	Noah Creek		
Member			
Submember			
Start Depth	0.00 ft	End Depth	10.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sand And Gravel	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System	Quaternary		
Series	Pleistocene Series		
Group	Wisconsinan Episode		
Formation	Dows		
Member			
Submember			

Start Depth	10.00 ft	End Depth	60.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System Series Group Formation Member Submember	Quaternary Pleistocene Series		
Start Depth	60.00 ft	End Depth	85.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Oxidized And Unleached	Percent	100
Secondary Lithology	Unknown	Percent	0
Tertiary Lithology	Unknown	Percent	0
Comments			

System Series Group Formation Member Submember	Quaternary Pleistocene Series		
Start Depth	85.00 ft	End Depth	130.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Unoxidized And Unleached	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System Series Group Formation Member Submember	Quaternary Pleistocene Series		
Start Depth	130.00 ft	End Depth	135.00 ft
Contact Accuracy Penetration			
Primary Lithology	Till - Oxidized And	Percent	100

Secondary Lithology	Unleached		
Tertiary Lithology	Unknown	Percent	0
Comments		Percent	0

System	Cretaceous		
Series			
Group	Fort Benton ("Lower Colorado ")		
Formation	Dakota		
Member			
Submember			
Start Depth	135.00 ft	End Depth	409.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	0
Secondary Lithology	Shale	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Galena		
Formation	Decorah/Platteville/Glenwood Undiff.		
Member			
Submember			
Start Depth	409.00 ft	End Depth	438.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	0
Secondary Lithology	Dolomite	Percent	0
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Ancell		
Formation	Glenwood		
Member			
Submember			
Start Depth	438.00 ft	End Depth	445.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			

Group	Ancell		
Formation	St. Peter Sandstone		
Member			
Submember			
Start Depth	445.00 ft	End Depth	528.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group	Prairie Du Chien		
Formation			
Member			
Submember			
Start Depth	528.00 ft	End Depth	615.00 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	615.00 ft	End Depth	700.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Sandstone	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

System	Cambrian		
Series			
Group			
Formation	St. Lawrence		
Member			
Submember			
Start Depth	700.00 ft	End Depth	757.00 ft
Contact Accuracy			
Penetration			

Primary Lithology	Dolomite	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	01/01/2014	Start Time	
Aquifer		Yield	0 gallons per minute
Static Water Level	127.00 ft	Yield Method	
Pumping Water Level	199 ft	Pump Test	No
Measurement	Airline	Duration	0 mins
Pump Method			
Comments	Reported on DNR 2014 Jordan Questionnaire		

Date	08/01/1958	Start Time	
Aquifer	Unknown	Yield	900 gallons per minute
Static Water Level	127.00 ft	Yield Method	Unknown
Pumping Water Level	190 ft	Pump Test	Yes
Measurement	Unknown	Duration	0 mins
Pump Method	Unknown		
Comments			

Chip Storage Information

Date	09/16/1958	Bin	
Storage	DA5-12,13	Number of Samples	138
Number of Boxes	2	Sample Gaps	440-445,745-756.3
Sample Intervals	0	Sample Bottom	745 ft
Sample Top	0 ft	Washed Bottom	745 ft
Washed Top	400 ft		
Duplicate Storage			
Comments			

<https://www.iihr.uiowa.edu/igs/geosam/well/10262/general-information>