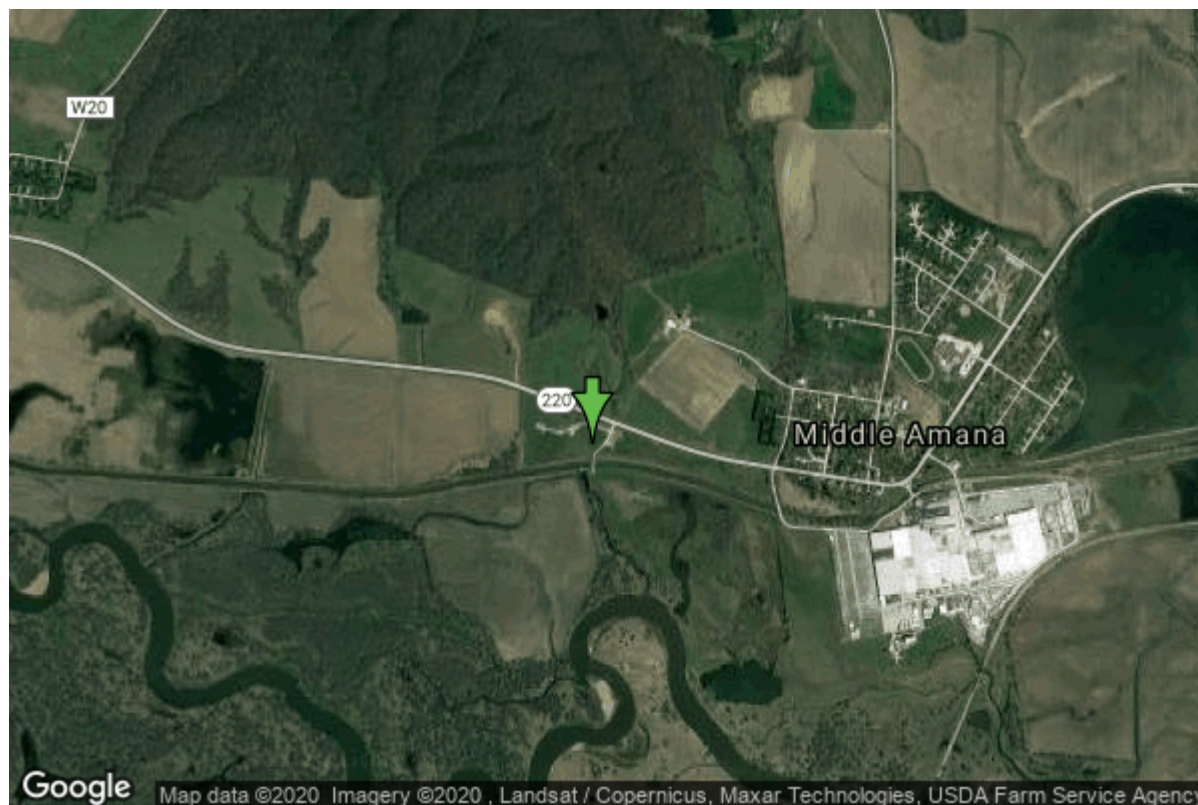


Well W#89461 Information



Date Received	08/02/2018	State	Iowa
Owner Name	High and West Amana Water Supply	County	Iowa
Alt Name	Well #17; Middle Field	Quadrangle	Middle Amana, Iowa
WNumber	89461	Township	T81N
PWTS ID	0	Range	R9W
PWS ID	4880087	Section	29
Storet ID	0	Quarter	SE NE NW
SDWIS ID	0	Latitude	41.7952613600
USGS ID	0	Longitude	-91.9120590100
Project		Accuracy	
Operator		UTM X	590390
		UTM Y	4627617

Site Type	Drilled hole	Drilling Company	Cahoy Inc.
Well Status	Active	Drilling Date	06/15/2018
Field Located	No	Drilling Method	Auger
Elevation	718 ft	Bedrock Depth	0 ft
Elevation Accuracy	Topo Map Accurate to 2 ft	Well Depth	32 ft
Landscape Position	Unknown	Total Depth	32 ft
		Well Types	Public Supply
		Aquifers	

Hole Construction Information

Date	06/15/2018	Depth	32.00 ft
Diameter	24.00 in		

Comments

Casing Construction Information

Date	06/15/2018	Casing Type	Steel
Start Depth	-3.30 ft	End Depth	21.00 ft
Diameter	10.00 in	Amount	24.30 ft
Comments			

Screen Construction Information

Date	06/15/2018	Slot Size	0.05
Screen Type	Steel	End Depth	31.00 ft
Start Depth	21.00 ft	Amount	10 ft
Diameter	10.00 in		
Comments			

Grout Construction Information

Date	06/15/2018	Grout Placement	Tremie
Grout Type	Cement	End Depth	14.00 ft
Start Depth	1.00 ft		
Comments			

Gravel Pack Construction Information

Date	06/15/2018	Slot Size	
Gravel Pack Type	Unknown	End Depth	32.00 ft
Start Depth	16.00 ft		
Comments			

Log Information

Date	07/11/2018
Log Types	Pump Test
Prepared By	Cahoy Inc.
Comments	

Date	06/15/2018
Log Types	Drillers log
Prepared By	Cahoy Inc.
Comments	

Formation Information

Formation Color	No Color Noted	Formation Lithology	soil or fill
Start Depth	0.00 ft	End Depth	1.50 ft
Comments			
<hr/>			
Formation Color	Brown	Formation Lithology	clay
Start Depth	1.50 ft	End Depth	5.00 ft
Comments	silty		
<hr/>			
Formation Color	Brown	Formation Lithology	clay and sand
Start Depth	5.00 ft	End Depth	13.50 ft
Comments			
<hr/>			
Formation Color	Gray	Formation Lithology	sand
Start Depth	13.50 ft	End Depth	15.00 ft
Comments			
<hr/>			
Formation Color	Brown	Formation Lithology	sand
Start Depth	15.00 ft	End Depth	31.50 ft
Comments			

Water Production Information

Date	07/12/2018	Start Time	
Aquifer	Unknown		
Static Water Level	10.00 ft	Yield	85 gallons per minute
Pumping Water Level	18 ft	Yield Method	Unknown
Measurement	Electric Line	Pump Test	Yes
Pump Method	Unknown	Duration	1440 mins
Comments			

<https://www.iuhr.uiowa.edu/igs/geosam/well/89461/general-information>