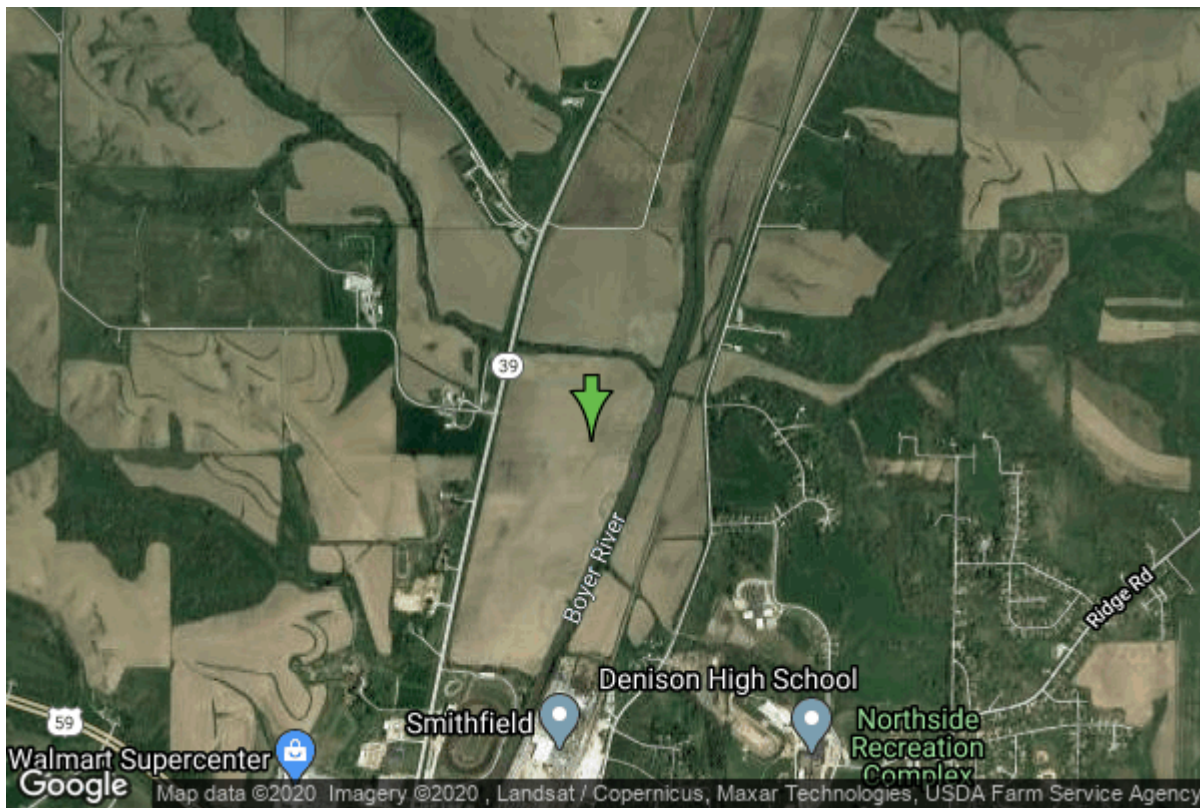


Well W#85931 Information



Date Received	06/29/2017	State	Iowa
Owner Name	Denison Municipal Utilities	County	Crawford
Alt Name	Well #15; WL 17	Quadrangle	Denison, Iowa
WNumber	85931	Township	T84N
PWTS ID	0	Range	R39W
PWS ID	2424027	Section	35
Storet ID	0	Quarter	SW SW SE
SDWIS ID	0	Latitude	42.0372670000
USGS ID	0	Longitude	-95.3582310000
Project		Accuracy	
Operator		UTM X	304805
		UTM Y	4656605

Site Type	Drilled hole	Drilling Company	Layne Christensen Company
Well Status	Active	Drilling Date	04/27/2017
Field Located	No	Drilling Method	Other
Elevation	1167 ft	Bedrock Depth	0 ft
Elevation Accuracy	Topo Map Accurate to 2 ft	Well Depth	59 ft
Landscape Position	Unknown	Total Depth	59 ft
		Well Types	Public Supply
		Aquifers	

Hole Construction Information

Date	04/27/2017		
Diameter	48.00 in	Depth	59.00 ft
Comments			

Casing Construction Information

Date	04/27/2017	Casing Type	Steel
Start Depth	-6.60 ft	End Depth	39.00 ft
Diameter	24.00 in	Amount	45.60 ft
Comments			

Screen Construction Information

Date	04/27/2017		
Screen Type	Steel	Slot Size	0.07
Start Depth	39.00 ft	End Depth	59.00 ft
Diameter	24.00 in	Amount	20 ft
Comments			

Grout Construction Information

Date	04/27/2017		
Grout Type	Neat Cement	Grout Placement	Tremie
Start Depth	0.00 ft	End Depth	34.00 ft
Comments			

Date	04/27/2017		
Grout Type	Bentonite (Clay)	Grout Placement	Unknown
Start Depth	34.00 ft	End Depth	36.00 ft
Comments			

Gravel Pack Construction Information

Date	04/27/2017		
Gravel Pack Type	Red Flint	Slot Size	
Start Depth	36.00 ft	End Depth	59.00 ft
Comments			

Pump Construction Information

Date	04/27/2017	Pump Type	Turbine
Diameter	11.00 in	Rating	500

Depth Intake 48.00 ft
Comments

Log Information

Date 04/27/2017
Log Types Drillers log
Prepared By Layne Christensen Company
Comments

Date 09/13/2016
Log Types Pump Test
Prepared By Layne Christensen Company
Comments

Formation Information

Formation Color	Black	Formation Lithology	soil or fill
Start Depth	0.00 ft	End Depth	9.00 ft
Comments	w/ clay		

Formation Color	Gray	Formation Lithology	clay
Start Depth	9.00 ft	End Depth	19.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	sand and gravel
Start Depth	19.00 ft	End Depth	37.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	sand and gravel
Start Depth	37.00 ft	End Depth	40.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	sand and gravel
Start Depth	40.00 ft	End Depth	54.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	sand and gravel
Start Depth	54.00 ft	End Depth	59.00 ft
Comments			

Water Production Information

Date 09/13/2016 Start Time
Aquifer Unknown

Static Water Level	22.00 ft	Yield	653 gallons per minute
Pumping Water Level	28 ft	Yield Method	Orifice
Measurement	Sonic	Pump Test	Yes
Pump Method	Bailed	Duration	1260 mins
Comments			

<https://www.iihr.uiowa.edu/igs/geosam/well/85931/general-information>