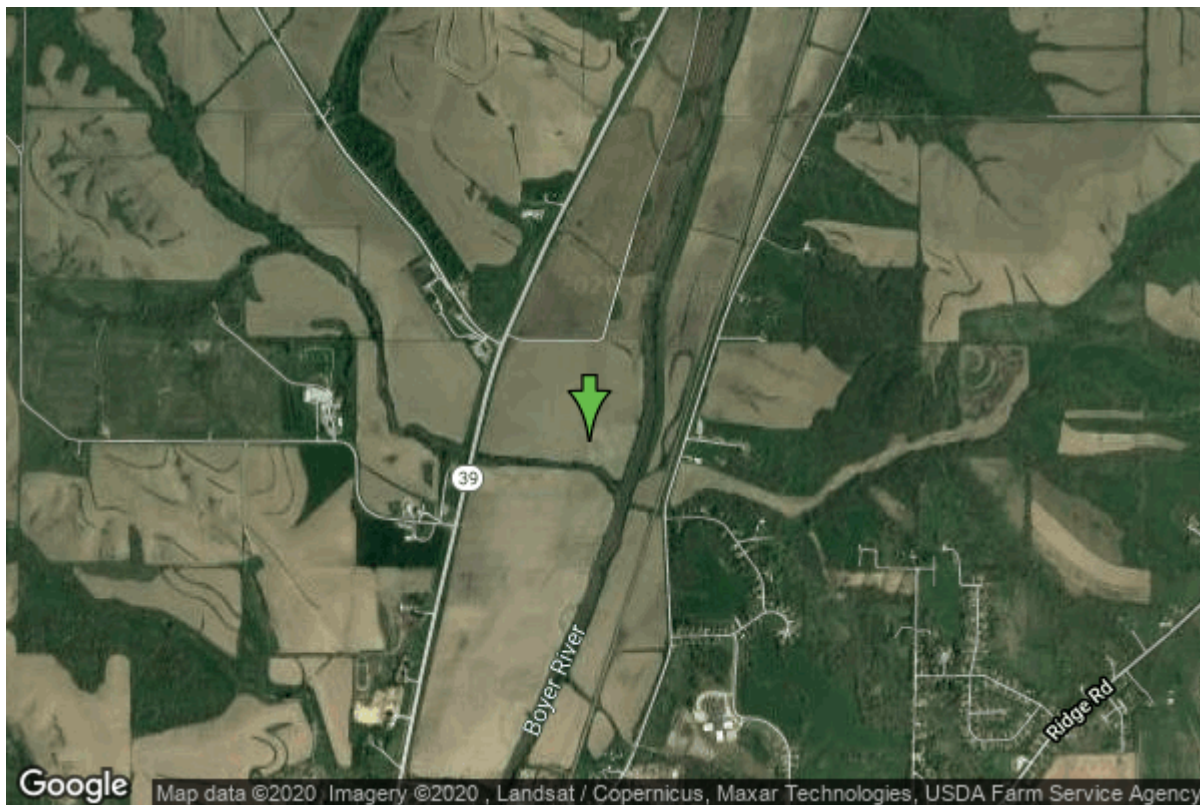


Well W#85930 Information



Date Received	06/29/2017	State	Iowa
Owner Name	Denison Municipal Utilities	County	Crawford
Alt Name	Well #14; WL 16	Quadrangle	Denison, Iowa
WNumber	85930	Township	T84N
PWTS ID	0	Range	R39W
PWS ID	2424027	Section	35
Storet ID	0	Quarter	SW NE SW
SDWIS ID	0	Latitude	42.0407940000
USGS ID	0	Longitude	-95.3565440000
Project		Accuracy	
Operator		UTM X	304956
		UTM Y	4656992

Site Type	Drilled hole	Drilling Company	Layne Christensen Company
Well Status	Active	Drilling Date	05/31/2017
Field Located	No	Drilling Method	Other
Elevation	1169 ft	Bedrock Depth	0 ft
Elevation Accuracy	Topo Map Accurate to 2 ft	Well Depth	69 ft
Landscape Position	Unknown	Total Depth	69 ft
		Well Types	Public Supply
		Aquifers	

Hole Construction Information

Date	05/31/2017		
Diameter	48.00 in	Depth	69.00 ft
Comments			

Casing Construction Information

Date	05/31/2017	Casing Type	Steel
Start Depth	-7.00 ft	End Depth	39.00 ft
Diameter	24.00 in	Amount	46.00 ft
Comments			

Screen Construction Information

Date	05/31/2017		
Screen Type	Steel	Slot Size	0.07
Start Depth	39.00 ft	End Depth	69.00 ft
Diameter	24.00 in	Amount	30 ft
Comments			

Grout Construction Information

Date	05/31/2017		
Grout Type	Neat Cement	Grout Placement	Tremie
Start Depth	0.00 ft	End Depth	35.00 ft
Comments			

Date	05/31/2017		
Grout Type	Bentonite (Clay)	Grout Placement	Unknown
Start Depth	35.00 ft	End Depth	37.00 ft
Comments			

Gravel Pack Construction Information

Date	05/31/2017		
Gravel Pack Type	Red Flint	Slot Size	
Start Depth	37.00 ft	End Depth	69.00 ft
Comments			

Pump Construction Information

Date	05/31/2017	Pump Type	Turbine
Diameter	11.00 in	Rating	500

Depth Intake 48.00 ft
Comments

Log Information

Date 05/31/2017
Log Types Drillers log
Prepared By Layne Christensen Company
Comments

Date 09/29/2016
Log Types Pump Test
Prepared By Layne Christensen Company
Comments

Formation Information

Formation Color	Brown	Formation Lithology	soil or fill
Start Depth	0.00 ft	End Depth	12.00 ft
Comments			

Formation Color	Brown	Formation Lithology	soil or fill
Start Depth	12.00 ft	End Depth	16.00 ft
Comments	sandy w/ clay		

Formation Color	Brown	Formation Lithology	clay and sand
Start Depth	16.00 ft	End Depth	20.00 ft
Comments			

Formation Color	Brown/Grayish	Formation Lithology	clay
Start Depth	20.00 ft	End Depth	24.00 ft
Comments	silty		

Formation Color	No Color Noted	Formation Lithology	sand
Start Depth	24.00 ft	End Depth	27.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	sand
Start Depth	27.00 ft	End Depth	31.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	sand and gravel
Start Depth	31.00 ft	End Depth	45.00 ft
Comments			

Formation Color	No Color Noted	Formation Lithology	sand and gravel
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Start Depth	45.00 ft	End Depth	50.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	gravel
Start Depth	50.00 ft	End Depth	67.00 ft
Comments			
Formation Color	No Color Noted	Formation Lithology	sand and gravel
Start Depth	67.00 ft	End Depth	69.00 ft
Comments			

Water Production Information

Date	09/29/2016	Start Time	
Aquifer	Unknown	Yield	600 gallons per minute
Static Water Level	22.00 ft	Yield Method	Orifice
Pumping Water Level	33 ft	Pump Test	Yes
Measurement	Sonic	Duration	1440 mins
Pump Method	Bailed		
Comments			

<https://www.ihr.uiowa.edu/igs/geosam/well/85930/general-information>