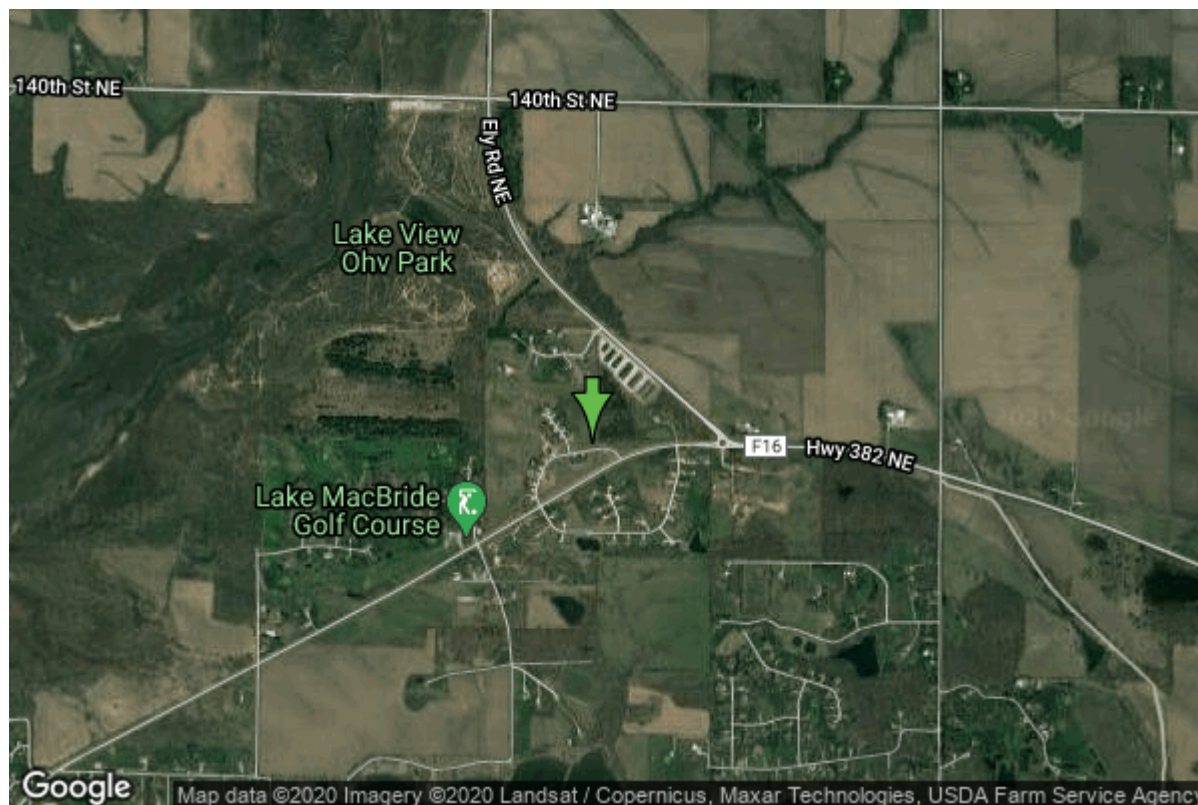


Well W#80310 Information



Date Received	07/23/2015	State	Iowa
Owner Name	Macbride Pointe Second Addition	County	Johnson
Alt Name		Quadrangle	Ely, Iowa
WNumber	80310	Township	T81N
PWTS ID	0	Range	R6W
PWS ID	0	Section	16
Storet ID	0	Quarter	SE SE NW
SDWIS ID	0	Latitude	41.8212070000
USGS ID	0	Longitude	-91.5447090000
Project		Accuracy	
Operator		UTM X	620862
		UTM Y	4630949

Site Type	Drilled hole	Drilling Company	Gingerich Well Pump Service, LLC
Well Status	Active	Drilling Date	05/04/2015
Field Located	No	Drilling Method	Rotary
Elevation	787 ft	Bedrock Depth	40 ft
Elevation Accuracy	Digital Elevation Model Accurate to 10 ft	Well Depth	425 ft
Landscape Position	Unknown	Total Depth	427 ft
		Well Types	Unknown
		Aquifers	

Hole Construction Information

Date	05/04/2015	Depth	425.00 ft
Diameter	8.00 in		
Comments			

Date	05/04/2015	Depth	241.00 ft
Diameter	12.00 in		
Comments			

Date	05/04/2015	Depth	42.00 ft
Diameter	16.00 in		
Comments			

Casing Construction Information

Date	05/04/2015	Casing Type	Steel
Start Depth	0.00 ft	End Depth	241.00 ft
Diameter	8.00 in	Amount	241.00 ft
Comments			

Grout Construction Information

Date	05/04/2015	Grout Placement	Tremie
Grout Type	Neat Cement	End Depth	241.00 ft
Start Depth	100.00 ft		
Comments			

Date	05/04/2015	Grout Placement	
Grout Type	Holeplug	End Depth	100.00 ft
Start Depth	85.00 ft		
Comments			

Date	05/04/2015	Grout Placement	Tremie
Grout Type	Neat Cement	End Depth	85.00 ft
Start Depth	0.00 ft		
Comments			

Log Information

Date	10/13/2015
Log Types	Strip log
Prepared By	Clark, Ryan
Comments	

Date 05/04/2015
Log Types Drillers log
Prepared By Gingerich Well Pump Service, LLC
Comments

Stratigraphy Information

System Quaternary
Series
Group
Formation
Member
Submember
Start Depth 0.00 ft **End Depth** 40.00 ft
Contact Accuracy
Penetration
Primary Lithology Till **Percent** 75
Secondary Lithology Silt **Percent** 25
Tertiary Lithology **Percent**
Comments

System Devonian
Series
Group Cedar Valley
Formation Little Cedar
Member Solon
Submember
Start Depth 40.00 ft **End Depth** 50.00 ft
Contact Accuracy
Penetration
Primary Lithology Limestone **Percent** 100
Secondary Lithology **Percent**
Tertiary Lithology **Percent**
Comments

System Devonian
Series
Group Wapsipinicon
Formation
Member
Submember
Start Depth 50.00 ft **End Depth** 150.00 ft
Contact Accuracy
Penetration
Primary Lithology Limestone **Percent** 60
Secondary Lithology Shale **Percent** 40
Tertiary Lithology **Percent**

Comments

System	Silurian		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	150.00 ft	End Depth	415.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	90
Secondary Lithology	Chert/Chalcedony	Percent	10
Tertiary Lithology		Percent	
Comments			

System	Ordovician		
Series			
Group			
Formation	Maquoketa		
Member			
Submember			
Start Depth	415.00 ft	End Depth	425.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Shale	Percent	100
Secondary Lithology		Percent	
Tertiary Lithology		Percent	
Comments			

Water Production Information

Date	05/04/2015	Start Time	
Aquifer			
Static Water Level	86.00 ft	Yield	120 gallons per minute
Pumping Water Level	170 ft	Yield Method	Estimate
Measurement	Estimate	Pump Test	No
Pump Method	Airlifted	Duration	60 mins
Comments			

Chip Storage Information

Date	07/28/2015		
Storage	OD7-137>138	Bin	
Number of Boxes	2	Number of Samples	54
Sample Intervals	5	Sample Gaps	85-240, 425-427
Sample Top	0 ft	Sample Bottom	425 ft

Washed Top
Duplicate Storage
Comments

40 ft

Washed Bottom

425 ft

<https://www.ihr.uiowa.edu/igs/geosam/well/80310/general-information>