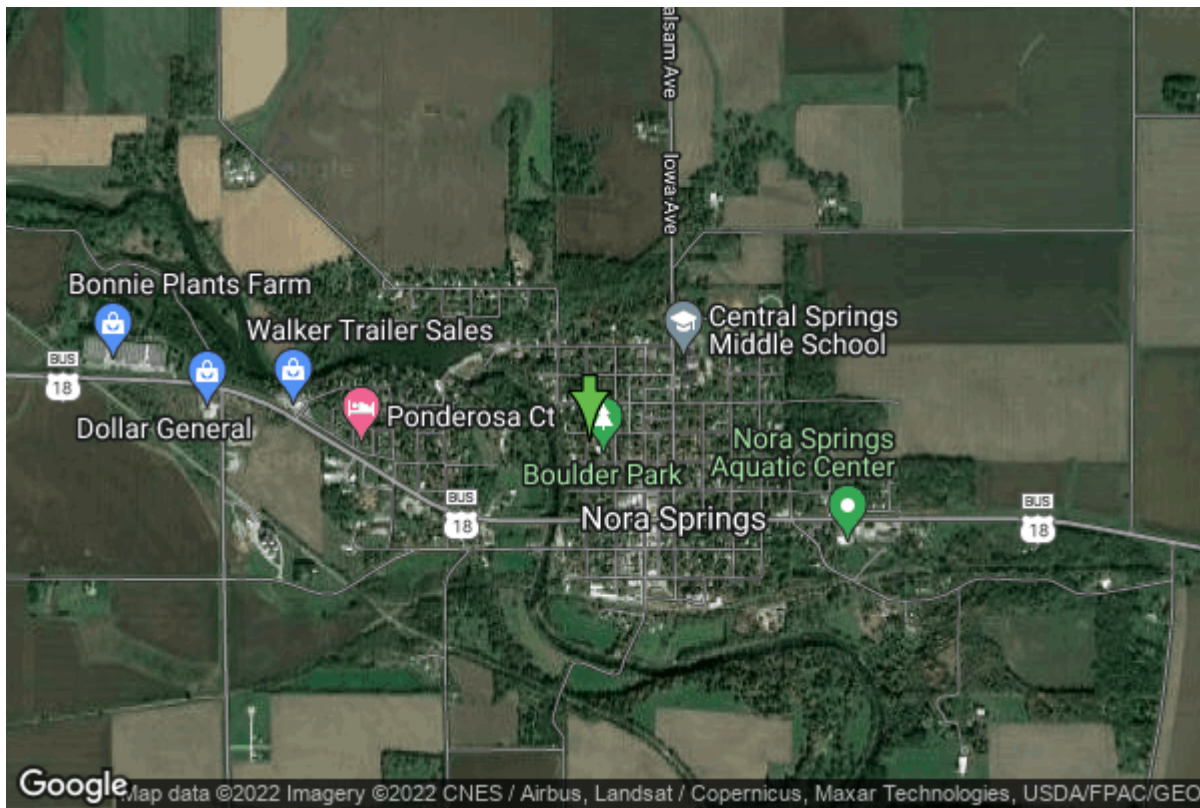


Well W#64868 Information



Date Received	07/07/2008	State	Iowa
Owner Name	Nora Springs, City Of	County	Floyd
Alt Name	#4	Quadrangle	Nora Springs, Iowa
WNumber	64868	Township	T96N
PWTS ID	0	Range	R18W
PWS ID	3423069	Section	7
Storet ID	0	Quarter	SE NE SW
SDWIS ID	2587000	Latitude	43.1451610000
USGS ID	0	Longitude	-93.0072640000
Project	Source Water Protection	Accuracy	
Operator	Unknown	UTM X	499409
		UTM Y	4776935

Site Type	Drilled hole	Drilling Company	Northway Corporation
Well Status	Active	Drilling Date	06/04/2008
Field Located	No	Drilling Method	Rotary
Elevation	1092 ft	Bedrock Depth	7 ft
Elevation Accuracy	Digital Elevation Model Accurate to 5 ft	Well Depth	315 ft
Landscape Position	Upland	Total Depth	315 ft
		Well Types	Municipal, Public Supply
		Aquifers	Devonian

Hole Construction Information

Date	06/04/2008	Depth	167.00 ft
Diameter	17.50 in		

Comments

Date	06/04/2008	Depth	315.00 ft
Diameter	9.75 in		
Comments			

Casing Construction Information

Date	06/04/2008	Casing Type	Unknown
Start Depth	-2.00 ft	End Depth	167.00 ft
Diameter	10.75 in	Amount	169.00 ft
Comments			

Grout Construction Information

Date	06/04/2008	Grout Type	Unknown
Grout Type	Unknown	Grout Placement	Unknown
Start Depth	0.00 ft	End Depth	167.00 ft
Comments			

Pump Construction Information

Date	06/04/2008	Pump Type	Submersible
Diameter	6.00 in	Rating	360
Depth Intake	175.00 ft		
Comments			

Log Information

Date	11/04/2008
Log Types	Strip log
Prepared By	Bouk, Michael Joseph
Comments	

Date	06/04/2008
Log Types	Drillers log
Prepared By	Northway Well & Pump Company
Comments	

Formation Information

Formation Color	No Color Noted	Formation Lithology	soil or fill
Start Depth	0.00 ft	End Depth	3.00 ft
Comments			

Formation Color	Brown	Formation Lithology	clay
Start Depth	3.00 ft	End Depth	11.00 ft
Comments			

Formation Color	Brown	Formation Lithology	limestone
Start Depth	11.00 ft	End Depth	16.00 ft
Comments			

Formation Color	Gray	Formation Lithology	shale
Start Depth	16.00 ft	End Depth	26.00 ft
Comments			

Formation Color	Gray	Formation Lithology	limestone
Start Depth	26.00 ft	End Depth	51.00 ft
Comments			

Formation Color	Tan	Formation Lithology	limestone
Start Depth	51.00 ft	End Depth	97.00 ft
Comments			

Formation Color	Gray	Formation Lithology	limestone and shale
Start Depth	97.00 ft	End Depth	102.00 ft
Comments			

Formation Color	Gray	Formation Lithology	limestone
Start Depth	102.00 ft	End Depth	120.00 ft
Comments			

Formation Color	Brown	Formation Lithology	limestone and shale
Start Depth	120.00 ft	End Depth	128.00 ft
Comments			

Formation Color	Brown	Formation Lithology	limestone
Start Depth	128.00 ft	End Depth	140.00 ft
Comments			

Formation Color	Gray	Formation Lithology	limestone
Start Depth	140.00 ft	End Depth	155.00 ft
Comments			

Formation Color	Gray	Formation Lithology	shale
Start Depth	155.00 ft	End Depth	157.00 ft
Comments			

Formation Color	Brown	Formation Lithology	limestone
Start Depth	157.00 ft	End Depth	208.00 ft
Comments			

Comments

Formation Color	Brown	Formation Lithology	limestone
Start Depth	208.00 ft	End Depth	220.00 ft
Comments			

Formation Color	Brown	Formation Lithology	limestone
Start Depth	220.00 ft	End Depth	225.00 ft
Comments			

Formation Color	Gray	Formation Lithology	limestone
Start Depth	225.00 ft	End Depth	250.00 ft
Comments			

Formation Color	Brown	Formation Lithology	limestone
Start Depth	250.00 ft	End Depth	270.00 ft
Comments			

Formation Color	Gray	Formation Lithology	limestone
Start Depth	270.00 ft	End Depth	315.00 ft
Comments			

Formation Color	Brown	Formation Lithology	limestone and shale
Start Depth	315.00 ft	End Depth	315.00 ft
Comments			

Stratigraphy Information

System	Quaternary		
Series			
Group			
Formation			
Member			
Submember			
Start Depth	0.00 ft	End Depth	7.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Soil Or Fill	Percent	82
Secondary Lithology	Clay	Percent	18
Tertiary Lithology		Percent	
Comments			

System	Devonian
Series	
Group	Cedar Valley
Formation	
Member	

Submember			
Start Depth	7.00 ft	End Depth	315.00 ft
Contact Accuracy			
Penetration			
Primary Lithology	Dolomite	Percent	20
Secondary Lithology	Limestone	Percent	79
Tertiary Lithology	Chert/Chalcedony	Percent	1
Comments			

Water Production Information

Date	06/17/2008	Start Time	10:00
Aquifer	Bedrock		
Static Water Level	58.00 ft	Yield	360 gallons per minute
Pumping Water Level	145 ft	Yield Method	Unknown
Measurement	Electric Line	Pump Test	Yes
Pump Method	Airlifted	Duration	8 mins
Comments			

Chip Storage Information

Date	07/07/2008		
Storage	OD4-1677	Bin	
Number of Boxes	1	Number of Samples	63
Sample Intervals	5	Sample Gaps	
Sample Top	0 ft	Sample Bottom	315 ft
Washed Top	35 ft	Washed Bottom	315 ft
Duplicate Storage			
Comments			

<https://www.iihr.uiowa.edu/igs/geosam/well/64868/general-information>