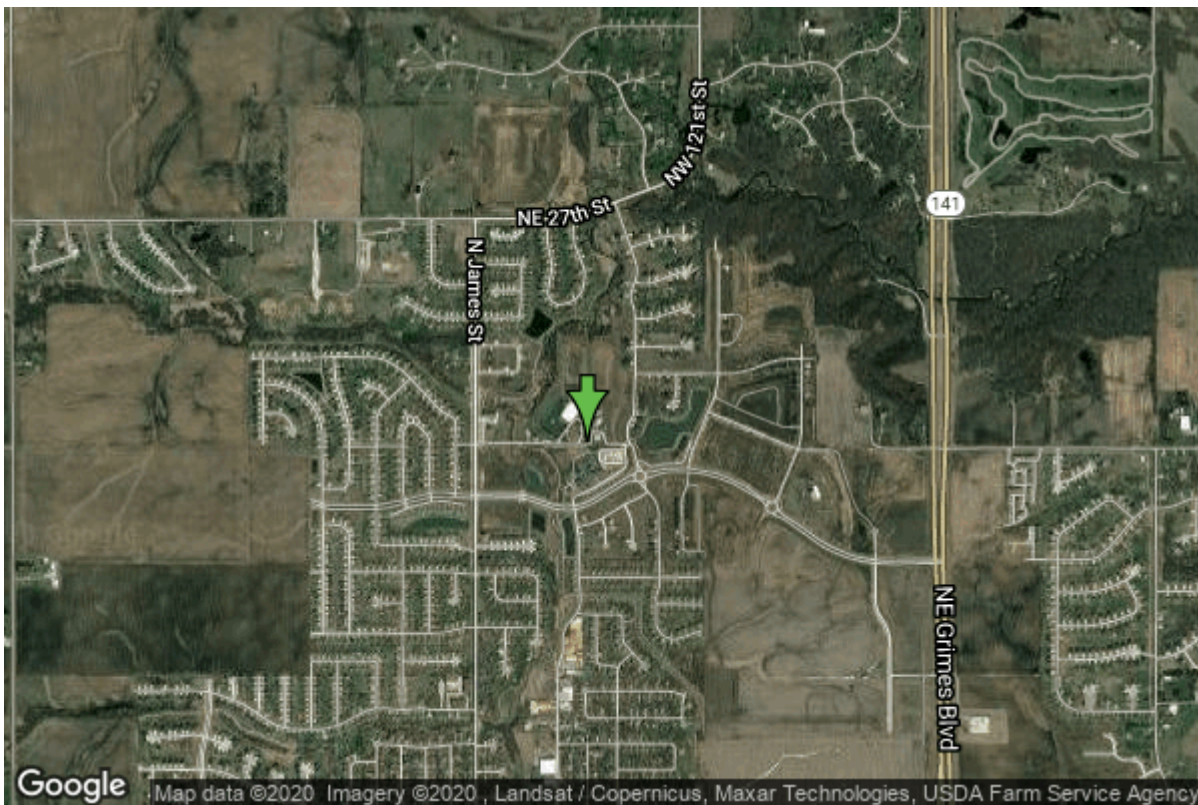


# Well W#77074 Information



<b>Date Received</b>	03/28/2014	<b>State</b>	Iowa
<b>Owner Name</b>	Grimes, City Of	<b>County</b>	Polk
<b>Alt Name</b>	Jordan	<b>Quadrangle</b>	Grimes, Iowa
<b>WNumber</b>	77074	<b>Township</b>	T80N
<b>PWTS ID</b>	0	<b>Range</b>	R25W
<b>PWS ID</b>	7736011	<b>Section</b>	29
<b>Storet ID</b>	0	<b>Quarter</b>	SW SE SW
<b>SDWIS ID</b>	0	<b>Latitude</b>	41.7030908300
<b>USGS ID</b>	0	<b>Longitude</b>	-93.7890908300
<b>Project</b>	Unknown	<b>Accuracy</b>	
<b>Operator</b>	Unknown	<b>UTM X</b>	434347
		<b>UTM Y</b>	4617112

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<b>Site Type</b>	Drilled hole	<b>Drilling Company</b>	Layne Christensen Company
<b>Well Status</b>	Primary	<b>Drilling Date</b>	01/29/2014
<b>Field Located</b>	No	<b>Drilling Method</b>	Rotary
<b>Elevation</b>	924 ft	<b>Bedrock Depth</b>	80 ft
<b>Elevation Accuracy</b>	Topo Map Accurate to 2 ft	<b>Well Depth</b>	2551 ft
<b>Landscape Position</b>	Unknown	<b>Total Depth</b>	2551 ft
		<b>Well Types</b>	Public Supply
		<b>Aquifers</b>	Cambrian-Ordovician

# Hole Construction Information

<b>Date</b>	01/29/2014	<b>Depth</b>	36.00 ft
<b>Diameter</b>	44.00 in		
<b>Comments</b>			
<hr/>			
<b>Date</b>	01/29/2014	<b>Depth</b>	360.00 ft
<b>Diameter</b>	34.00 in		
<b>Comments</b>			
<hr/>			
<b>Date</b>	01/29/2014	<b>Depth</b>	850.00 ft
<b>Diameter</b>	28.00 in		
<b>Comments</b>			
<hr/>			
<b>Date</b>	01/29/2014	<b>Depth</b>	2210.00 ft
<b>Diameter</b>	22.00 in		
<b>Comments</b>			
<hr/>			
<b>Date</b>	01/29/2014	<b>Depth</b>	2551.00 ft
<b>Diameter</b>	16.00 in		
<b>Comments</b>			

# Casing Construction Information

<b>Date</b>	01/29/2014	<b>Casing Type</b>	Unknown
<b>Start Depth</b>	806.00 ft	<b>End Depth</b>	808.00 ft
<b>Diameter</b>	24.00 in	<b>Amount</b>	2.00 ft
<b>Comments</b>	type: swage		
<hr/>			
<b>Date</b>	01/29/2014	<b>Casing Type</b>	Steel
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	36.00 ft
<b>Diameter</b>	36.00 in	<b>Amount</b>	36.00 ft
<b>Comments</b>			
<hr/>			
<b>Date</b>	01/29/2014	<b>Casing Type</b>	Steel
<b>Start Depth</b>	-2.00 ft	<b>End Depth</b>	360.00 ft
<b>Diameter</b>	30.00 in	<b>Amount</b>	362.00 ft
<b>Comments</b>			
<hr/>			
<b>Date</b>	01/29/2014	<b>Casing Type</b>	Steel
<b>Start Depth</b>	-2.00 ft	<b>End Depth</b>	806.00 ft
<b>Diameter</b>	24.00 in	<b>Amount</b>	808.00 ft
<b>Comments</b>			
<hr/>			
<b>Date</b>	01/29/2014	<b>Casing Type</b>	Steel
<b>Start Depth</b>	808.00 ft	<b>End Depth</b>	2210.00 ft

<b>Diameter</b>	18.00 in	<b>Amount</b>	1402.00 ft
<b>Comments</b>			

## Grout Construction Information

<b>Date</b>	01/29/2014		
<b>Grout Type</b>	Neat Cement	<b>Grout Placement</b>	Unknown
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	2210.00 ft
<b>Comments</b>	placement method: pressurized cement tubing		

## Pump Construction Information

<b>Date</b>	01/29/2014	<b>Pump Type</b>	Unknown
<b>Diameter</b>	14.00 in	<b>Rating</b>	1600
<b>Depth Intake</b>	0.00 ft		
<b>Comments</b>			

## Log Information

<b>Date</b>	01/29/2014		
<b>Log Types</b>	Drillers log		
<b>Prepared By</b>	Layne Christensen Company		
<b>Comments</b>			

## Water Production Information

<b>Date</b>	01/29/2014	<b>Start Time</b>	
<b>Aquifer</b>	Unknown		
<b>Static Water Level</b>	322.00 ft	<b>Yield</b>	1628 gallons per minute
<b>Pumping Water Level</b>	334 ft	<b>Yield Method</b>	Orifice
<b>Measurement</b>	Airline	<b>Pump Test</b>	Yes
<b>Pump Method</b>	Airlifted	<b>Duration</b>	720 mins
<b>Comments</b>			

## Chip Storage Information

<b>Date</b>	04/18/2014		
<b>Storage</b>	OD6-815>823	<b>Bin</b>	
<b>Number of Boxes</b>	9	<b>Number of Samples</b>	502
<b>Sample Intervals</b>	5	<b>Sample Gaps</b>	1800`-1840`
<b>Sample Top</b>	0 ft	<b>Sample Bottom</b>	2551 ft
<b>Washed Top</b>	80 ft	<b>Washed Bottom</b>	2551 ft
<b>Duplicate Storage</b>			
<b>Comments</b>			

<https://www.iihr.uiowa.edu/igs/geosam/well/77074/general-information>