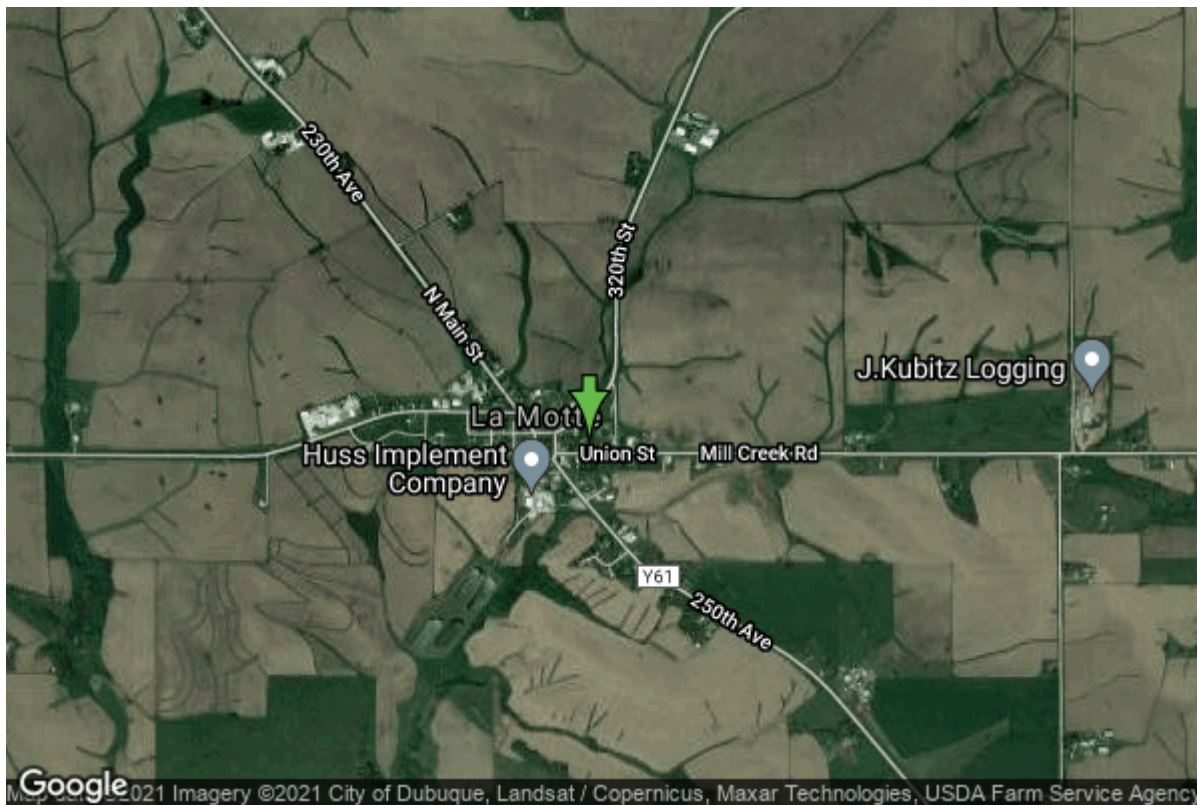


# Well W#1291 Information



<b>Date Received</b>		<b>State</b>	Iowa
<b>Owner Name</b>	La Motte, City Of	<b>County</b>	Jackson
<b>Alt Name</b>	#1	<b>Quadrangle</b>	La Motte, Iowa
<b>WNumber</b>	1291	<b>Township</b>	T87N
<b>PWTS ID</b>	0	<b>Range</b>	R3E
<b>PWS ID</b>	4945052	<b>Section</b>	33
<b>Storet ID</b>	0	<b>Quarter</b>	SW SE SE
<b>SDWIS ID</b>	2410962	<b>Latitude</b>	42.2950100000
<b>USGS ID</b>	0	<b>Longitude</b>	-90.6179300000
<b>Project</b>	Source Water Protection	<b>Accuracy</b>	
<b>Operator</b>	Unknown	<b>UTM X</b>	696369
		<b>UTM Y</b>	4685280

<b>Site Type</b>	Drilled hole	<b>Drilling Company</b>	Varner Well Co.
<b>Well Status</b>	Not Used	<b>Drilling Date</b>	10/05/1940
<b>Field Located</b>	No	<b>Drilling Method</b>	Unknown
<b>Elevation</b>	946 ft	<b>Bedrock Depth</b>	0 ft
<b>Elevation Accuracy</b>	Digital Elevation Model Accurate to 5 ft	<b>Well Depth</b>	170 ft
<b>Landscape Position</b>	Unknown	<b>Total Depth</b>	170 ft
		<b>Well Types</b>	Municipal, Public Supply
		<b>Aquifers</b>	Silurian

## Casing Construction Information

<b>Date</b>	10/05/1940	<b>Casing Type</b>	Steel
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	46.70 ft

<b>Diameter</b>	8.00 in	<b>Amount</b>	46.70 ft
<b>Comments</b>			

## Grout Construction Information

<b>Date</b>	10/05/1940	<b>Grout Placement</b>	Unknown
<b>Grout Type</b>	Cement	<b>End Depth</b>	46.00 ft
<b>Start Depth</b>	0.00 ft		
<b>Comments</b>			

## Log Information

<b>Date</b>	
<b>Log Types</b>	Unknown
<b>Prepared By</b>	Unknown
<b>Comments</b>	

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<b>Date</b>	
<b>Log Types</b>	Strip log
<b>Prepared By</b>	Unknown
<b>Comments</b>	

## Stratigraphy Information

<b>System</b>	Quaternary		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	10.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>		<b>Percent</b>	
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Quaternary		
<b>Series</b>	Pleistocene Series		
<b>Group</b>	Pre-Illinoian		
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	10.00 ft	<b>End Depth</b>	15.00 ft
<b>Contact Accuracy</b>			

<b>Penetration</b>			
<b>Primary Lithology</b>	Till	<b>Percent</b>	100
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Silurian		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Hopkinton		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	15.00 ft	<b>End Depth</b>	55.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Silurian		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Blanding		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	55.00 ft	<b>End Depth</b>	100.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Silurian		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Tete Des Morts		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	100.00 ft	<b>End Depth</b>	145.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Silurian		
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<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Mosalem		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	145.00 ft	<b>End Depth</b>	166.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Shale	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>	Maquoketa		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	166.00 ft	<b>End Depth</b>	170.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Shale	<b>Percent</b>	100
<b>Secondary Lithology</b>		<b>Percent</b>	
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

## Water Production Information

<b>Date</b>	10/05/1940	<b>Start Time</b>	
<b>Aquifer</b>	Unknown		
<b>Static Water Level</b>	50.00 ft	<b>Yield</b>	30 gallons per minute
<b>Pumping Water Level</b>	150 ft	<b>Yield Method</b>	Unknown
<b>Measurement</b>	Unknown	<b>Pump Test</b>	Yes
<b>Pump Method</b>	Unknown	<b>Duration</b>	0 mins
<b>Comments</b>			

## Chip Storage Information

<b>Date</b>		<b>Bin</b>	
<b>Storage</b>	WH7-6		
<b>Number of Boxes</b>	1	<b>Number of Samples</b>	31
<b>Sample Intervals</b>	5	<b>Sample Gaps</b>	0-10
<b>Sample Top</b>	10 ft	<b>Sample Bottom</b>	170 ft
<b>Washed Top</b>	0 ft	<b>Washed Bottom</b>	0 ft
<b>Duplicate Storage</b>			
<b>Comments</b>			

<https://www.iihr.uiowa.edu/igs/geosam/well/1291/general-information>