

# Well W#1374 Information



<b>Date Received</b>		<b>State</b>	Iowa
<b>Owner Name</b>	Iowa Army Ammunition Plant	<b>County</b>	Des Moines
<b>Alt Name</b>	IOWA ORDINANCE PLANT #1	<b>Quadrangle</b>	Danville, Iowa
<b>WNumber</b>	1374	<b>Township</b>	T69N
<b>PWTS ID</b>	0	<b>Range</b>	R3W
<b>PWS ID</b>	2900900	<b>Section</b>	6
<b>Storet ID</b>	0	<b>Quarter</b>	SW NW NE
<b>SDWIS ID</b>	0	<b>Latitude</b>	40.8045270000
<b>USGS ID</b>	0	<b>Longitude</b>	-91.2529440000
<b>Project</b>	Source Water Protection	<b>Accuracy</b>	
<b>Operator</b>	Unknown	<b>UTM X</b>	647367
		<b>UTM Y</b>	4518527

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<b>Site Type</b>	Drilled hole	<b>Drilling Company</b>	Unknown
<b>Well Status</b>	Not Used	<b>Drilling Date</b>	08/01/1941
<b>Field Located</b>	No	<b>Drilling Method</b>	Unknown
<b>Elevation</b>	712 ft	<b>Bedrock Depth</b>	127 ft
<b>Elevation Accuracy</b>	Digital Elevation Model Accurate to 5 ft	<b>Well Depth</b>	1168 ft
<b>Landscape Position</b>	Unknown	<b>Total Depth</b>	1168 ft
		<b>Well Types</b>	Municipal
		<b>Aquifers</b>	Cambrian-Ordovician, Ordovician (abv St. Peter)

# Casing Construction Information

<b>Date</b>	08/08/1941	<b>Casing Type</b>	Steel
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	127.00 ft
<b>Diameter</b>	22.00 in	<b>Amount</b>	127.00 ft
<b>Comments</b>			

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<b>Date</b>	08/08/1941	<b>Casing Type</b>	Steel
<b>Start Depth</b>	0.00 ft	<b>End Depth</b>	793.00 ft
<b>Diameter</b>	16.00 in	<b>Amount</b>	793.00 ft
<b>Comments</b>			

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<b>Date</b>	08/08/1941	<b>Casing Type</b>	Steel
<b>Start Depth</b>	785.00 ft	<b>End Depth</b>	865.00 ft
<b>Diameter</b>	13.00 in	<b>Amount</b>	80.00 ft
<b>Comments</b>			

# Log Information

<b>Date</b>	08/01/1941
<b>Log Types</b>	Drillers log
<b>Prepared By</b>	Varner Well Co.
<b>Comments</b>	

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<b>Date</b>	06/19/1941
<b>Log Types</b>	Strip log
<b>Prepared By</b>	Elias, M.M.
<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>	20.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Gumbotil	<b>Percent</b>	0
<b>Secondary Lithology</b>	Till	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Quaternary
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**Series**  
**Group**  
**Formation**  
**Member**  
**Submember**  
**Start Depth** 20.00 ft **End Depth** 110.00 ft  
**Contact Accuracy**  
**Penetration**  
**Primary Lithology** Till **Percent** 0  
**Secondary Lithology** Sand **Percent** 0  
**Tertiary Lithology** Gumbotil **Percent** 0  
**Comments**

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**System** Quaternary  
**Series**  
**Group**  
**Formation**  
**Member**  
**Submember**  
**Start Depth** 110.00 ft **End Depth** 127.00 ft  
**Contact Accuracy**  
**Penetration**  
**Primary Lithology** Sand And Gravel **Percent** 0  
**Secondary Lithology** Till **Percent** 0  
**Tertiary Lithology** **Percent**  
**Comments**

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**System** Mississippian (Subsystem Of Carboniferous System)  
**Series**  
**Group** Augusta  
**Formation** Keokuk  
**Member**  
**Submember**  
**Start Depth** 127.00 ft **End Depth** 175.00 ft  
**Contact Accuracy**  
**Penetration**  
**Primary Lithology** Ls/Dol Mixed **Percent** 0  
**Secondary Lithology** Shale **Percent** 0  
**Tertiary Lithology** Chert/Chalcedony **Percent** 0  
**Comments**

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**System** Mississippian (Subsystem Of Carboniferous System)  
**Series**  
**Group** Augusta  
**Formation** Burlington  
**Member**  
**Submember**  
**Start Depth** 175.00 ft **End Depth** 275.00 ft  
**Contact Accuracy**

<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	Sub-Augusta		
<b>Formation</b>	Maynes Creek		
<b>Member</b>	Wassonville		
<b>Submember</b>			
<b>Start Depth</b>	275.00 ft	<b>End Depth</b>	285.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Mississippian (Subsystem Of Carboniferous System)		
<b>Series</b>			
<b>Group</b>	North Hill		
<b>Formation</b>	Mccraney		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	290.00 ft	<b>End Depth</b>	300.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Siltstone	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Maple Mill		
<b>Member</b>	English River		
<b>Submember</b>			
<b>Start Depth</b>	300.00 ft	<b>End Depth</b>	320.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Siltstone	<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>	Devonian		
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<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Maple Mill		
<b>Member</b>	Saverton		
<b>Submember</b>			
<b>Start Depth</b>	320.00 ft	<b>End Depth</b>	445.00 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>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Maple Mill		
<b>Member</b>	Grassy Creek		
<b>Submember</b>			
<b>Start Depth</b>	445.00 ft	<b>End Depth</b>	585.00 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>			

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<b>System</b>	Devonian		
<b>Series</b>			
<b>Group</b>	Yellow Spring (New Albany)		
<b>Formation</b>	Lime Creek		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	585.00 ft	<b>End Depth</b>	595.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<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>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	595.00 ft	<b>End Depth</b>	720.00 ft
<b>Contact Accuracy</b>			

<b>Penetration</b>			
<b>Primary Lithology</b>	Limestone	<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>	Devonian		
<b>Series</b>			
<b>Group</b>	Wapsipinicon		
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	720.00 ft	<b>End Depth</b>	760.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Limestone	<b>Percent</b>	0
<b>Secondary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Dolomite	<b>Percent</b>	0
<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>	760.00 ft	<b>End Depth</b>	780.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Shale	<b>Percent</b>	0
<b>Secondary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Sandstone	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	780.00 ft	<b>End Depth</b>	855.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Sandstone	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Ordovician		
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<b>Series</b>			
<b>Group</b>	Galena		
<b>Formation</b>	Dunleith		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	855.00 ft	<b>End Depth</b>	980.00 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>	Ordovician		
<b>Series</b>			
<b>Group</b>	Galena		
<b>Formation</b>	Decorah/Platteville Undiff.		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	980.00 ft	<b>End Depth</b>	1035.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Secondary Lithology</b>	Sandstone	<b>Percent</b>	0
<b>Tertiary Lithology</b>	Shale	<b>Percent</b>	0
<b>Comments</b>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Ancell		
<b>Formation</b>	Glenwood		
<b>Member</b>	Starved Rock Sandstone		
<b>Submember</b>			
<b>Start Depth</b>	1035.00 ft	<b>End Depth</b>	1105.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Sandstone	<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>	Ordovician		
<b>Series</b>			
<b>Group</b>	Ancell		
<b>Formation</b>	Glenwood		
<b>Member</b>	Harmony Hill		
<b>Submember</b>			
<b>Start Depth</b>	1105.00 ft	<b>End Depth</b>	1118.00 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>			

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<b>System</b>	Ordovician		
<b>Series</b>			
<b>Group</b>	Ancell		
<b>Formation</b>	St. Peter Sandstone		
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1118.00 ft	<b>End Depth</b>	1160.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Sandstone	<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>	Ordovician		
<b>Series</b>			
<b>Group</b>	Prairie Du Chien		
<b>Formation</b>	Shakopee		
<b>Member</b>	Willow River		
<b>Submember</b>			
<b>Start Depth</b>	1160.00 ft	<b>End Depth</b>	1168.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Chert/Chalcedony	<b>Percent</b>	0
<b>Secondary Lithology</b>	Dolomite	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			

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<b>System</b>	Unknown		
<b>Series</b>			
<b>Group</b>			
<b>Formation</b>			
<b>Member</b>			
<b>Submember</b>			
<b>Start Depth</b>	1168.00 ft	<b>End Depth</b>	1168.00 ft
<b>Contact Accuracy</b>			
<b>Penetration</b>			
<b>Primary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Secondary Lithology</b>	Unknown	<b>Percent</b>	0
<b>Tertiary Lithology</b>		<b>Percent</b>	
<b>Comments</b>			



## Water Production Information

<b>Date</b>	08/08/1941	<b>Start Time</b>	
<b>Aquifer</b>	Unknown		
<b>Static Water Level</b>	150.00 ft	<b>Yield</b>	200 gallons per minute
<b>Pumping Water Level</b>	213 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>	WI3-4,5		
<b>Number of Boxes</b>	2	<b>Number of Samples</b>	243
<b>Sample Intervals</b>	0	<b>Sample Gaps</b>	0-1
<b>Sample Top</b>	1 ft	<b>Sample Bottom</b>	1168 ft
<b>Washed Top</b>	0 ft	<b>Washed Bottom</b>	0 ft
<b>Duplicate Storage</b>			
<b>Comments</b>			

<https://www.iuhr.uiowa.edu/igs/geosam/well/1374/general-information>