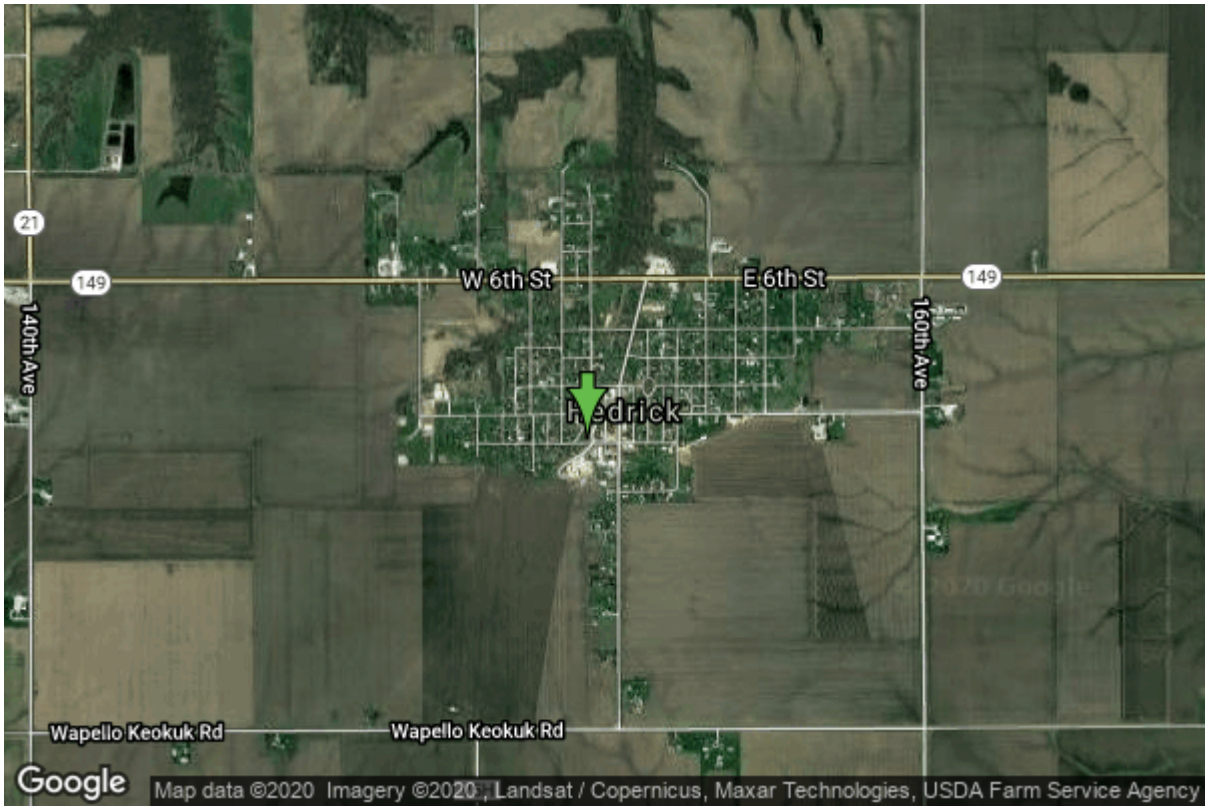
# Well W#3065 Information

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|---|---|---|---|
| **Date Received** | | **State** | Iowa |
| **Owner Name** | Hedrick, City Of | **County** | Keokuk |
| **Alt Name** | | **Quadrangle** | Hedrick, Iowa |
| **WNumber** | 3065 | **Township** | T74N |
| **PWTS ID** | 0 | **Range** | R13W |
| **PWS ID** | 5432042 | **Section** | 36 |
| **Storet ID** | 0 | **Quarter** | NW SE NW |
| **SDWIS ID** | 0 | **Latitude** | 41.1716210000 |
| **USGS ID** | 0 | **Longitude** | -92.3096180000 |
| **Project** | Source Water Protection | **Accuracy** | |
| **Operator** | Unknown | **UTM X** | 557911 |
| | | **UTM Y** | 4558039 |

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|---|---|---|---|
| **Site Type** | Drilled hole | **Drilling Company** | Unknown |
| **Well Status** | Not Used | **Drilling Date** | 08/01/1948 |
| **Field Located** | No | **Drilling Method** | Unknown |
| **Elevation** | 822 ft | **Bedrock Depth** | 0 ft |
| **Elevation Accuracy** | Digital Elevation Model Accurate to 5 ft | **Well Depth** | 1724 ft |
| | | **Total Depth** | 1724 ft |
| **Landscape Position** | Unknown | **Well Types** | Municipal |
| | | **Aquifers** | Cambrian-Ordovician |

# Log Information

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|---|---|
| **Date** | 08/30/1948 |
| **Log Types** | Strip log |

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|---|---|
| **Prepared By** | |
| **Comments** | |

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|---|---|
| **Date** | 11/24/1947 |
| **Log Types** | Strip log |
| **Prepared By** | Harris Jr., Stanley E. |
| **Comments** | |

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|---|---|
| **Date** | |
| **Log Types** | Drillers log |
| **Prepared By** | Hedrick, City Of |
| **Comments** | |

# Stratigraphy Information

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|---|---|---|---|
| **System** | Quaternary | | |
| **Series** | | | |
| **Group** | | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 0.00 ft | **End Depth** | 5.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Soil Or Fill | **Percent** | 100 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Quaternary | | |
| **Series** | Pleistocene Series | | |
| **Group** | Pre-Illinoian | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 5.00 ft | **End Depth** | 15.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Till - Oxidized And Leached | **Percent** | 0 |
| **Secondary Lithology** | Paleosol | **Percent** | 0 |
| **Tertiary Lithology** | Unknown | **Percent** | 0 |
| **Comments** | | | |

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|---|---|
| **System** | Quaternary |
| **Series** | Pleistocene Series |
| **Group** | Pre-Illinoian |
| **Formation** | |

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|---|---|---|---|
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 15.00 ft | **End Depth** | 30.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Paleosol | **Percent** | 0 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Quaternary | | |
| **Series** | Pleistocene Series | | |
| **Group** | Pre-Illinoian | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 30.00 ft | **End Depth** | 50.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Till - Oxidized And Unleached | **Percent** | 0 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Quaternary | | |
| **Series** | Pleistocene Series | | |
| **Group** | | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 50.00 ft | **End Depth** | 95.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Sand And Gravel | **Percent** | 0 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Quaternary | | |
| **Series** | Pleistocene Series | | |
| **Group** | | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 95.00 ft | **End Depth** | 110.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Till - Unoxidized And | **Percent** | 0 |

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|---|---|---|---|
| | Unleached | | |
| **Secondary Lithology** | Shale | **Percent** | 0 |
| **Tertiary Lithology** | Sand And Gravel | **Percent** | 0 |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Pennsylvanian (Subsystem Of Carboniferous System) | | |
| **Series** | | | |
| **Group** | Cherokee | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 110.00 ft | **End Depth** | 140.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 0 |
| **Secondary Lithology** | Sandstone | **Percent** | 0 |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Mississippian (Subsystem Of Carboniferous System) | | |
| **Series** | | | |
| **Group** | | | |
| **Formation** | St. Louis | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 140.00 ft | **End Depth** | 210.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Sandstone | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Mississippian (Subsystem Of Carboniferous System) | | |
| **Series** | | | |
| **Group** | Augusta | | |
| **Formation** | Warsaw | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 210.00 ft | **End Depth** | 270.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Dolomite | **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** | | | |

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|---|---|---|---|
| **Group** | Augusta | | |
| **Formation** | Keokuk | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 270.00 ft | **End Depth** | 310.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | Dolomite | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Mississippian (Subsystem Of Carboniferous System) | | |
| **Series** | | | |
| **Group** | Augusta | | |
| **Formation** | Burlington | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 310.00 ft | **End Depth** | 390.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Limestone | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Unknown | | |
| **Series** | | | |
| **Group** | | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 390.00 ft | **End Depth** | 460.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Dolomite | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Mississippian (Subsystem Of Carboniferous System) | | |
| **Series** | | | |
| **Group** | North Hill | | |
| **Formation** | Prospect Hill | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 460.00 ft | **End Depth** | 465.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |

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|---|---|---|---|
| **Primary Lithology** | Limestone | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | Shale | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Mississippian (Subsystem Of Carboniferous System) | | |
| **Series** | | | |
| **Group** | North Hill | | |
| **Formation** | Mccraney | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 465.00 ft | **End Depth** | 520.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Limestone | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Devonian | | |
| **Series** | | | |
| **Group** | Yellow Spring (New Albany) | | |
| **Formation** | Maple Mill | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 520.00 ft | **End Depth** | 585.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 100 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Devonian | | |
| **Series** | | | |
| **Group** | Yellow Spring (New Albany) | | |
| **Formation** | Sheffield | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 585.00 ft | **End Depth** | 640.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 100 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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|---|---|
| **System** | Devonian |
| **Series** | |

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|---|---|---|---|
| **Group** | Yellow Spring (New Albany) | | |
| **Formation** | Lime Creek | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 640.00 ft | **End Depth** | 740.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 100 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Devonian | | |
| **Series** | | | |
| **Group** | Cedar Valley | | |
| **Formation** | Coralville | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 740.00 ft | **End Depth** | 820.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Limestone | **Percent** | 0 |
| **Secondary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Devonian | | |
| **Series** | | | |
| **Group** | Cedar Valley | | |
| **Formation** | Little Cedar | | |
| **Member** | Rapid | | |
| **Submember** | | | |
| **Start Depth** | 820.00 ft | **End Depth** | 870.00 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** | Devonian | | |
| **Series** | | | |
| **Group** | Cedar Valley | | |
| **Formation** | Little Cedar | | |
| **Member** | Solon | | |
| **Submember** | | | |
| **Start Depth** | 870.00 ft | **End Depth** | 935.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |

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|---|---|---|---|
| **Primary Lithology** | Limestone | **Percent** | 0 |
| **Secondary Lithology** | Shale | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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|---|---|---|---|
| **System** | Devonian | | |
| **Series** | | | |
| **Group** | Wapsipinicon | | |
| **Formation** | Pinicon Ridge | | |
| **Member** | Davenport | | |
| **Submember** | | | |
| **Start Depth** | 935.00 ft | **End Depth** | 1015.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Gypsum/Anhydrite | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Devonian | | |
| **Series** | | | |
| **Group** | Wapsipinicon | | |
| **Formation** | Pinicon Ridge | | |
| **Member** | Spring Grove | | |
| **Submember** | | | |
| **Start Depth** | 1015.00 ft | **End Depth** | 1040.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Gypsum/Anhydrite | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Devonian | | |
| **Series** | | | |
| **Group** | Wapsipinicon | | |
| **Formation** | Pinicon Ridge | | |
| **Member** | Kenwood | | |
| **Submember** | | | |
| **Start Depth** | 1040.00 ft | **End Depth** | 1060.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 0 |
| **Secondary Lithology** | Gypsum/Anhydrite | **Percent** | 0 |
| **Tertiary Lithology** | Dolomite | **Percent** | 0 |
| **Comments** | | | |

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|---|---|
| **System** | Ordovician |
| **Series** | |

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|---|---|---|---|
| **Group** | | | |
| **Formation** | Maquoketa | | |
| **Member** | Ft. Atkinson Limestone | | |
| **Submember** | | | |
| **Start Depth** | 1060.00 ft | **End Depth** | 1085.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 100 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | | | |
| **Formation** | Maquoketa | | |
| **Member** | Elgin Limestone | | |
| **Submember** | | | |
| **Start Depth** | 1085.00 ft | **End Depth** | 1170.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | Siltstone | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Unknown | | |
| **Series** | | | |
| **Group** | | | |
| **Formation** | | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 1170.00 ft | **End Depth** | 1360.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Dolomite | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Galena | | |
| **Formation** | Decorah | | |
| **Member** | Ion | | |
| **Submember** | | | |
| **Start Depth** | 1360.00 ft | **End Depth** | 1370.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |

| | | | |
|---|---|---|---|
| **Primary Lithology** | Dolomite | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Galena | | |
| **Formation** | Decorah | | |
| **Member** | Guttenberg | | |
| **Submember** | | | |
| **Start Depth** | 1370.00 ft | **End Depth** | 1380.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Dolomite | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Galena | | |
| **Formation** | Decorah | | |
| **Member** | Spechts Ferry | | |
| **Submember** | | | |
| **Start Depth** | 1380.00 ft | **End Depth** | 1385.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Dolomite | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | Sandstone | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Galena | | |
| **Formation** | Platteville | | |
| **Member** | Mcgregor | | |
| **Submember** | | | |
| **Start Depth** | 1385.00 ft | **End Depth** | 1410.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Dolomite | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |

| | | | |
|---|---|---|---|
| **Group** | Galena | | |
| **Formation** | Platteville | | |
| **Member** | Pecatonica | | |
| **Submember** | | | |
| **Start Depth** | 1410.00 ft | **End Depth** | 1425.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Dolomite | **Percent** | 0 |
| **Secondary Lithology** | Limestone | **Percent** | 0 |
| **Tertiary Lithology** | Sandstone | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Ancell | | |
| **Formation** | Glenwood | | |
| **Member** | Harmony Hill | | |
| **Submember** | | | |
| **Start Depth** | 1425.00 ft | **End Depth** | 1430.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Shale | **Percent** | 100 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Ancell | | |
| **Formation** | St. Peter Sandstone | | |
| **Member** | | | |
| **Submember** | | | |
| **Start Depth** | 1430.00 ft | **End Depth** | 1475.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Sandstone | **Percent** | 100 |
| **Secondary Lithology** | | **Percent** | |
| **Tertiary Lithology** | | **Percent** | |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Prairie Du Chien | | |
| **Formation** | Shakopee | | |
| **Member** | Willow River | | |
| **Submember** | | | |
| **Start Depth** | 1475.00 ft | **End Depth** | 1620.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |

| | | | |
|---|---|---|---|
| **Primary Lithology** | Limestone | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

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| | | | |
|---|---|---|---|
| **System** | Ordovician | | |
| **Series** | | | |
| **Group** | Prairie Du Chien | | |
| **Formation** | Shakopee | | |
| **Member** | New Richmond | | |
| **Submember** | | | |
| **Start Depth** | 1620.00 ft | **End Depth** | 1724.00 ft |
| **Contact Accuracy** | | | |
| **Penetration** | | | |
| **Primary Lithology** | Sandstone | **Percent** | 0 |
| **Secondary Lithology** | Dolomite | **Percent** | 0 |
| **Tertiary Lithology** | Chert/Chalcedony | **Percent** | 0 |
| **Comments** | | | |

# Water Production Information

| | | | |
|---|---|---|---|
| **Date** | 10/15/1947 | **Start Time** | |
| **Aquifer** | Unknown | | |
| **Static Water Level** | 171.00 ft | **Yield** | 56 gallons per minute |
| **Pumping Water Level** | 189 ft | **Yield Method** | Unknown |
| **Measurement** | Unknown | **Pump Test** | Yes |
| **Pump Method** | Unknown | **Duration** | 0 mins |
| **Comments** | | | |

# Chip Storage Information

| | | | |
|---|---|---|---|
| **Date** | | | |
| **Storage** | CD7-1->5 | **Bin** | |
| **Number of Boxes** | 5 | **Number of Samples** | 442 |
| **Sample Intervals** | 0 | **Sample Gaps** | 260-265,1700-1710 |
| **Sample Top** | 0 ft | **Sample Bottom** | 1725 ft |
| **Washed Top** | 110 ft | **Washed Bottom** | 1725 ft |
| **Duplicate Storage** | | | |
| **Comments** | | | |