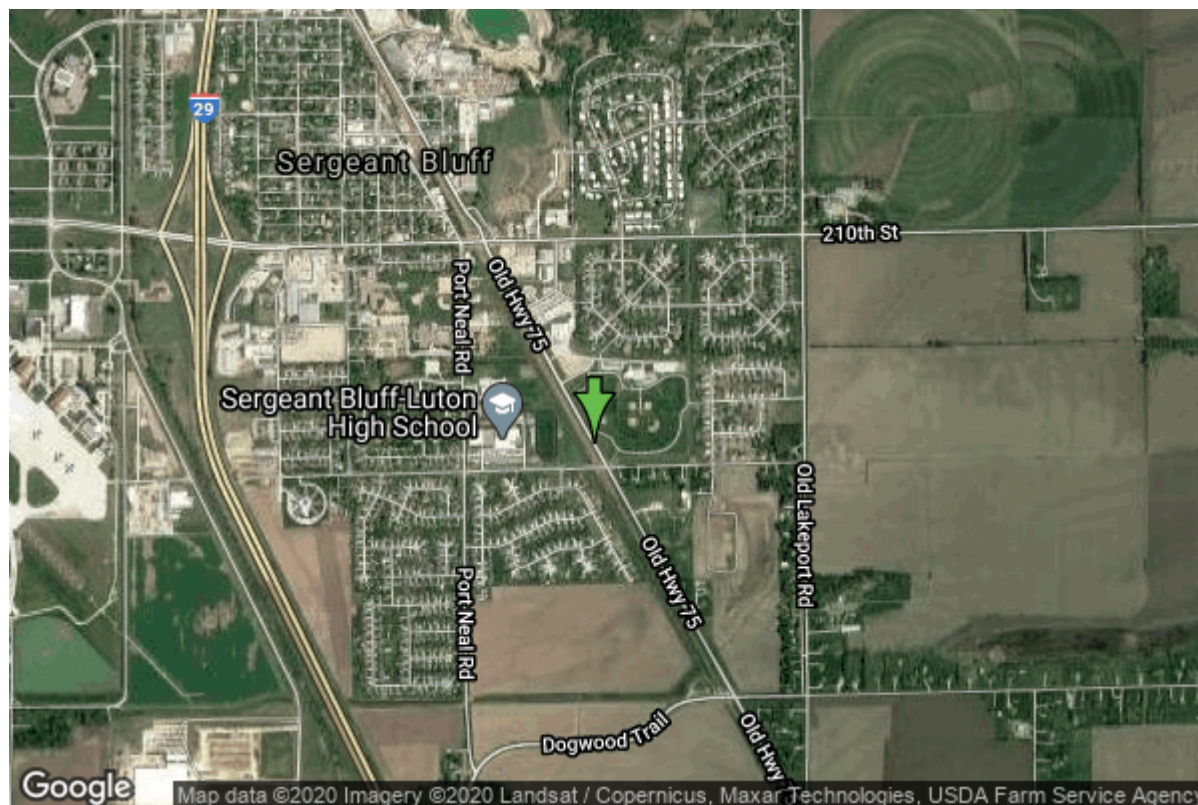


# Well W#75037 Information



|                      |                         |                   |                      |
|----------------------|-------------------------|-------------------|----------------------|
| <b>Date Received</b> | 09/10/2012              | <b>State</b>      | Iowa                 |
| <b>Owner Name</b>    | Sergeant Bluff, City Of | <b>County</b>     | Woodbury             |
| <b>Alt Name</b>      | #7                      | <b>Quadrangle</b> | Sergeant Bluff, Iowa |
| <b>WNumber</b>       | 75037                   | <b>Township</b>   | T88N                 |
| <b>PWTS ID</b>       | 0                       | <b>Range</b>      | R47W                 |
| <b>PWS ID</b>        | 9774033                 | <b>Section</b>    | 32                   |
| <b>Storet ID</b>     | 0                       | <b>Quarter</b>    | NW SW SW             |
| <b>SDWIS ID</b>      | 2588113                 | <b>Latitude</b>   | 42.3940760000        |
| <b>USGS ID</b>       | 0                       | <b>Longitude</b>  | -96.3491520000       |
| <b>Project</b>       | Source Water Protection | <b>Accuracy</b>   |                      |
| <b>Operator</b>      | Unknown                 | <b>UTM X</b>      | 224335               |
|                      |                         | <b>UTM Y</b>      | 4698967              |

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|                           |                           |                         |                             |
|---------------------------|---------------------------|-------------------------|-----------------------------|
| <b>Site Type</b>          | Drilled hole              | <b>Drilling Company</b> | Layne Christensen Company   |
| <b>Well Status</b>        | Active                    | <b>Drilling Date</b>    | 06/03/2010                  |
| <b>Field Located</b>      | No                        | <b>Drilling Method</b>  | Unknown                     |
| <b>Elevation</b>          | 1089 ft                   | <b>Bedrock Depth</b>    | 0 ft                        |
| <b>Elevation Accuracy</b> | Topo Map Accurate to 2 ft | <b>Well Depth</b>       | 275 ft                      |
| <b>Landscape Position</b> | Level Surface             | <b>Total Depth</b>      | 275 ft                      |
|                           |                           | <b>Well Types</b>       | Municipal, Public Supply    |
|                           |                           | <b>Aquifers</b>         | Alluvium, Dakota/Cretaceous |

# Hole Construction Information

|          |            |       |           |
|----------|------------|-------|-----------|
| Date     | 06/03/2010 | Depth | 274.00 ft |
| Diameter | 32.00 in   |       |           |
| Comments |            |       |           |

# Casing Construction Information

|             |            |             |           |
|-------------|------------|-------------|-----------|
| Date        | 06/03/2010 | Casing Type | Steel     |
| Start Depth | 182.00 ft  | End Depth   | 192.00 ft |
| Diameter    | 16.00 in   | Amount      | 10.00 ft  |
| Comments    |            |             |           |

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|             |            |             |           |
|-------------|------------|-------------|-----------|
| Date        | 06/03/2010 | Casing Type | Steel     |
| Start Depth | 222.00 ft  | End Depth   | 232.00 ft |
| Diameter    | 16.00 in   | Amount      | 10.00 ft  |
| Comments    |            |             |           |

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|             |            |             |           |
|-------------|------------|-------------|-----------|
| Date        | 06/03/2010 | Casing Type | PVC       |
| Start Depth | 6.00 ft    | End Depth   | 182.00 ft |
| Diameter    | 16.00 in   | Amount      | 176.00 ft |
| Comments    |            |             |           |

# Screen Construction Information

|             |            |           |           |
|-------------|------------|-----------|-----------|
| Date        | 06/03/2010 | Slot Size | 0.03      |
| Screen Type | Steel      | End Depth | 222.00 ft |
| Start Depth | 192.00 ft  | Amount    | 30 ft     |
| Diameter    | 16.00 in   |           |           |
| Comments    |            |           |           |

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|             |            |           |           |
|-------------|------------|-----------|-----------|
| Date        | 06/03/2010 | Slot Size | 0.03      |
| Screen Type | Steel      | End Depth | 272.00 ft |
| Start Depth | 232.00 ft  | Amount    | 40 ft     |
| Diameter    | 16.00 in   |           |           |
| Comments    |            |           |           |

# Grout Construction Information

|             |             |                 |          |
|-------------|-------------|-----------------|----------|
| Date        | 06/03/2010  | Grout Placement | Tremie   |
| Grout Type  | Neat Cement | End Depth       | 54.00 ft |
| Start Depth | 10.00 ft    |                 |          |
| Comments    |             |                 |          |

# Gravel Pack Construction Information

|                         |                 |                  |           |
|-------------------------|-----------------|------------------|-----------|
| <b>Date</b>             | 06/03/2010      | <b>Slot Size</b> |           |
| <b>Gravel Pack Type</b> | Northern Gravel | <b>End Depth</b> | 274.00 ft |
| <b>Start Depth</b>      | 56.00 ft        |                  |           |
| <b>Comments</b>         |                 |                  |           |

# Pump Construction Information

|                     |            |                  |             |
|---------------------|------------|------------------|-------------|
| <b>Date</b>         | 06/03/2010 | <b>Pump Type</b> | Submersible |
| <b>Diameter</b>     | 8.00 in    | <b>Rating</b>    | 650         |
| <b>Depth Intake</b> | 42.00 ft   |                  |             |
| <b>Comments</b>     |            |                  |             |

# Log Information

|                    |           |
|--------------------|-----------|
| <b>Date</b>        |           |
| <b>Log Types</b>   | Pump Test |
| <b>Prepared By</b> |           |
| <b>Comments</b>    |           |

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|                    |              |
|--------------------|--------------|
| <b>Date</b>        |              |
| <b>Log Types</b>   | Drillers log |
| <b>Prepared By</b> | Unknown      |
| <b>Comments</b>    |              |

# Water Production Information

|                            |                                     |                     |                        |
|----------------------------|-------------------------------------|---------------------|------------------------|
| <b>Date</b>                | 09/28/2015                          | <b>Start Time</b>   |                        |
| <b>Aquifer</b>             |                                     | <b>Yield</b>        | 840 gallons per minute |
| <b>Static Water Level</b>  | 21.00 ft                            | <b>Yield Method</b> | Unknown                |
| <b>Pumping Water Level</b> | 29 ft                               | <b>Pump Test</b>    | No                     |
| <b>Measurement</b>         | Unknown                             | <b>Duration</b>     | 60 mins                |
| <b>Pump Method</b>         | Unknown                             |                     |                        |
| <b>Comments</b>            | Reported on 2015 DNR Dakota survey. |                     |                        |

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|                            |            |                     |                         |
|----------------------------|------------|---------------------|-------------------------|
| <b>Date</b>                | 06/03/2010 | <b>Start Time</b>   |                         |
| <b>Aquifer</b>             | Unknown    | <b>Yield</b>        | 1100 gallons per minute |
| <b>Static Water Level</b>  | 16.00 ft   | <b>Yield Method</b> | Orifice                 |
| <b>Pumping Water Level</b> | 29 ft      | <b>Pump Test</b>    | Yes                     |
| <b>Measurement</b>         | Unknown    | <b>Duration</b>     | 1200 mins               |
| <b>Pump Method</b>         | Unknown    |                     |                         |
| <b>Comments</b>            |            |                     |                         |

<https://www.iihr.uiowa.edu/igs/geosam/well/75037/general-information>