

WELL RECORD FORM

90226

PWSID# or PWTS No. <u>6709017</u>		PWTS Permit No. _____		GeoSam WNumber (IGS use only) _____																																																			
<b>Site Identification</b> Property owner <u>City of Blencoe</u> Other ID <u>2017-1</u> Address <u>PO Box 56</u> City <u>Blencoe</u> Tenant _____ Well depth <u>102</u> ft Date completed <u>7 / 2 / 2018</u>			<b>Drill Method</b> <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Auger <input type="checkbox"/> Cable <input type="checkbox"/> Other _____																																																				
<b>Location</b> County <u>Monona</u> GPS coordinates (NAD83 datum) <u>41.9334170</u> Latitude <u>96.0801670</u> Longitude <input type="checkbox"/> Decimal Degrees <input type="checkbox"/> Degrees, Decimal Minutes <input checked="" type="checkbox"/> Degrees, Minutes, Seconds <u>NE</u> 1/4 of the <u>9</u> 1/4 of the <u>82</u> TWP <u>45</u> <u>E</u> <u>W</u> <u>9</u> <u>W</u> Show exact location of well in section grid with a dot (.). Sketch map of well location on property.			<b>Hole size</b> <u>22</u> inch from <u>0</u> ft to <u>102</u> ft _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft																																																				
			<b>Casing or Loop Pipe</b> Record all depth measurements from ground level (GL). Use + for above GL measurements.																																																				
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			<input checked="" type="checkbox"/> Gravel packed <u>75</u> <u>102</u> amount <u>6.75</u> yds. variety <u>#3</u> <input type="checkbox"/> Seals/packers type _____ <input type="checkbox"/> Bottom capped with _____																																																				
<b>Formation Log</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>Color</th> <th>Hardness</th> <th>Formation description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>brown</td> <td>loose</td> <td>Top soil and brown clay</td> </tr> <tr> <td>5</td> <td>20</td> <td>tan</td> <td>loose</td> <td>Fine sand and sandy brown clay</td> </tr> <tr> <td>20</td> <td>40</td> <td>tan</td> <td>loose</td> <td>Fine sand with black shale streak</td> </tr> <tr> <td>40</td> <td>60</td> <td>tan</td> <td>loose</td> <td>Fine sand with fine, medium gravel layer and clay strips</td> </tr> <tr> <td>60</td> <td>80</td> <td>tan</td> <td>loose</td> <td>Fine, medium, coarse sand and fine gravel with gray clay layer and blue shale chunks</td> </tr> <tr> <td>80</td> <td>100</td> <td>tan</td> <td>loose</td> <td>Fine, medium, coarse sand and fine gravel with black shale chunk</td> </tr> <tr> <td>100</td> <td>106</td> <td>tan</td> <td>loose</td> <td>Fine, medium, coarse sand with fine, medium gravel</td> </tr> <tr> <td>106</td> <td>120</td> <td>red</td> <td>hard</td> <td>Clay and red and white shale</td> </tr> <tr> <td colspan="5" style="text-align: center;">(use additional sheets as needed)</td> </tr> </tbody> </table>			From	To	Color	Hardness	Formation description	0	5	brown	loose	Top soil and brown clay	5	20	tan	loose	Fine sand and sandy brown clay	20	40	tan	loose	Fine sand with black shale streak	40	60	tan	loose	Fine sand with fine, medium gravel layer and clay strips	60	80	tan	loose	Fine, medium, coarse sand and fine gravel with gray clay layer and blue shale chunks	80	100	tan	loose	Fine, medium, coarse sand and fine gravel with black shale chunk	100	106	tan	loose	Fine, medium, coarse sand with fine, medium gravel	106	120	red	hard	Clay and red and white shale	(use additional sheets as needed)					<b>Casing Grout</b> Placement method _____		
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			<b>Pump Installation</b> Date <u>12 / 13 / 2018</u> Type of pump <u>Grundfos</u> Depth to intake <u>75</u> ft Pump diameter <u>4</u> in Rated capacity <u>85</u> GPM																																																				
			<b>Water Information</b> Date <u>7 / 18 / 2018</u> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Static Water Level</th> <th>Pumping Water Level</th> <th>Yield</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td><u>7</u> ft</td> <td><u>9</u> ft</td> <td><u>100</u> GPM</td> <td><u>24.00</u> hrs</td> </tr> </tbody> </table>			Static Water Level	Pumping Water Level	Yield	Duration	<u>7</u> ft	<u>9</u> ft	<u>100</u> GPM	<u>24.00</u> hrs																																										
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			Water level measurement: <input type="checkbox"/> Sonic <input checked="" type="checkbox"/> Tape <input type="checkbox"/> Airline <input type="checkbox"/> E-line <input type="checkbox"/> Estimate Water yield measurement: <input checked="" type="checkbox"/> Orifice <input type="checkbox"/> Volumetric <input type="checkbox"/> Estimate Main water-supply zone from <u>5</u> ft to <u>106</u> ft below GL																																																				
<b>Remarks</b> (including depth of lost drilling fluids, materials, or tools)			<b>Well Development</b> <input checked="" type="checkbox"/> Physical explain: <u>Surge block and pumped for 6 hours</u> <input type="checkbox"/> Chemical explain: _____																																																				
<b>Well Use</b> <input type="checkbox"/> Domestic <input checked="" type="checkbox"/> Public supply <input type="checkbox"/> Livestock <input type="checkbox"/> Heat pump <input type="checkbox"/> Commercial <input type="checkbox"/> Irrigation # of borehole(s) _____ <input type="checkbox"/> Monitoring <input type="checkbox"/> Other _____			<b>Contractor</b> Company <u>Sargent Drilling</u> Address <u>2016 Industrial Park Road, Carroll, IA 51401</u> Driller <u>Derek Schweitzer</u> Certification no. <u>8338</u>																																																				



Mail form to Iowa Department of Natural Resources: 502 E. 9th St., Des Moines, IA 50319-0034

Or click here to e-mail form to: [well.records@dnr.iowa.gov](mailto:well.records@dnr.iowa.gov)

Make copies for: well contractor, customer, and county health department



DNR Form 542-8170