

WELL RECORD FORM

94204

PWSID# or PWTS No. 7165025 PWTS Permit No. 20190342 GeoSam WNumber (IGS use only) \_\_\_\_\_

**Site Identification**  
 Property owner City of Sanborn Other ID Well #9  
 Address 102 Main St. City Sanborn  
 Tenant \_\_\_\_\_  
 Well depth 688 ft Date completed 8 / 5 / 2019

**Drill Method**  Rotary  Auger  Cable  Other \_\_\_\_\_  
**Hole size**  
 48 inch from 0 ft to 40 ft hole size continued 22 inch from 0 ft to 688 ft  
 35 inch from 0 ft to 475 ft \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft

**Location** County O'Brien  
 GPS coordinates (NAD83 datum)  
43.1814720 Latitude 95.6641940 Longitude  
 Decimal Degrees  Degrees, Decimal Minutes  Degrees, Minutes, Seconds  
NE 1/4 of the \_\_\_\_\_ 1/4 of the \_\_\_\_\_ Sec 34 TWP 97 RNG 41 E W  
 Show exact location of well in section grid with a dot (.). Sketch map of well location on property.

**Casing or Loop Pipe**  
 Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
40	Steel	0	40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
24	Steel	0	475	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
14	Steel	0	578	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
14	Stainless Steel	578	688	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> slot size <u>.030</u>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
<input checked="" type="checkbox"/> Gravel packed		480	688	amount <u>10</u> <sup>10</sup> variety <u>Red Flint</u>		
<input type="checkbox"/> Seals/packers				type _____		
<input type="checkbox"/> Bottom capped with <u>Red Flint</u>						

**Formation Log**

From	To	Color	Hardness	Formation description
0	18	Black	Loose	Top soil w/brown clay, trashy
				sand and gravel layer
18	20	Gray	Dense	Clay
20	77	Gray	Dense	Clay with rocks
77	80	Tan	Loose	F,m,c sand and f,m gravel
80	120	Gray	Dense	Clay with rocks, sticky
120	131	Gray	Dense	Sticky clay
131	200	Brown	Dense	Sticky shale
200	220	Brown	Dense	Sticky shale & brown sandy shale
				layers
220	300	Brown	Dense	Sticky shale
300	320	Brown	Dense	Sticky shale w/sticky gray shale
				layer
320	360	Brown	Dense	Sticky shale
360	376	Brown	Dense	Sticky shale & gray shale
376	400	Tan	Hard	Sandstone
400	420	Tan	Hard	Sandstone w/shale strip <small>(use additional sheets as needed)</small>

**Casing Grout** Placement method \_\_\_\_\_

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Cement Grout	0	475	
Bentonite Seal	475	480	

**Pump Installation** Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
 Type of pump \_\_\_\_\_ Depth to intake \_\_\_\_\_ ft  
 Pump diameter \_\_\_\_\_ in Rated capacity \_\_\_\_\_ GPM

**Water Information** Date 08 / 26 / 2019

Static Water Level	Pumping Water Level	Yield	Duration
<u>337</u> ft	<u>396</u> ft	<u>1200</u> GPM	<u>48.00</u> hrs

Water level measurement:  Sonic  Tape  Airline  E-line  Estimate  
 Water yield measurement:  Orifice  Volumetric  Estimate  
 Main water-supply zone from 570 ft to 688 ft below GL

**Well Development**  
 Physical explain: Surge blocked and pumped for 6 hours  
 Chemical explain: \_\_\_\_\_

**Remarks** (including depth of lost drilling fluids, materials, or tools)  
 \_\_\_\_\_

**Contractor**  
 Company Sargent Drilling  
 Address 2016 Industrial Park Road, Carroll, IA 51401  
 Driller Derek Schweitzer Certification no. 8338

**Well Use**  
 Domestic  Public supply  Livestock  
 Heat pump  Commercial  Irrigation  
 # of borehole(s) \_\_\_\_\_  Monitoring  Other \_\_\_\_\_

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