

PWTS No. or PWS No. IA1677101

PWTS Permit No. 2021-0136W

GEOSAM Well No. (IGS use only) \_\_\_\_\_

**Site Identification**

Property owner JJ Nichting Co Other ID No 1  
 Address 1970 Garfield Ave City West Liberty  
 Tenant \_\_\_\_\_  
 Well depth 420 ft Date completed 4 / 15 / 21

**Drill Method**  Rotary  Auger  Cable  Other \_\_\_\_\_

**Hole size**  
 10 inch from 0 ft to 140 ft  
 5 7/8 inch from 140 ft to 310 ft  
 hole size continued  
 5 inch from 310 ft to 420 ft  
 \_\_\_\_\_ inch from \_\_\_\_\_ ft to \_\_\_\_\_ ft

**Location**

County Cedar

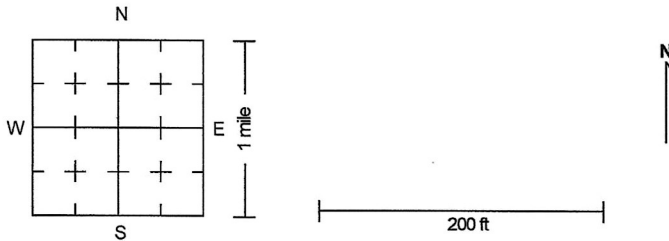
GPS coordinates (NAD83 datum)

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Decimal Degrees  Degrees, Decimal Minutes  Degrees, Minutes, Seconds

1/4 of the SW 1/4 of the SW 1/4 of Sec 7 TWP 79 RNG 3 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
6"	PVC sdr21	+1	140'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
4 1/2"	PVC sch 40	130'	170'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
4 1/2"	PVC sch 40	170'	310'	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> slot size <u>.035</u>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____

**Casing Grout**

Placement method halibruton

Type	Depth Top	Depth Bottom	Amount (vol/wt)
bentonite	0	140	9 bags

**Formation Log**

From	To	Color	Hardness	Formation description
0	3	dark brown		silty clay
3	18	brown		silty clay
18	80	gray brown		glacial till
80	123	dark gray		glacial till
123	250	tan gray		limestone/dark green shale seam
250	310	gray		limestone
310	420	lt gray		limestone

**Pump Installation**

Date 8 / 9 / 21

Type of pump submersible Depth to intake 120 ft

Pump diameter 4 in Rated capacity 27 GPM

**Water Information**

Date 4 / 15 / 21

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
<u>77</u> ft	<u>120</u> ft	<u>35</u> GPM	<u>1.00</u> hrs

Water level measurement:  Sonic  Tape  Airline  E-line  Estimate

Water yield measurement:  Orifice  Volumetric  Estimate

Main water-supply zone from 310 ft to 420 ft below GL

**Well Development**

Physical explain: 35gpm @ 120' for 1hr

Chemical explain: \_\_\_\_\_

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

**Contractor**

Company Latta Well & Pump

Address 1051 Taylor Ave, Wilton IA 52778

Driller Matt White Certification no. 5799

**Well Use**

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



Mail form to Iowa Geological Survey: 100 Oakdale IGS, Iowa City, IA 52242-1304

Or click here to e-mail form to: [IHR-IGS-WellRecords@uiowa.edu](mailto:IHR-IGS-WellRecords@uiowa.edu)

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

