101273

WELL RECORD FORM

PWSID# *or* PWTS No. 6749061 | PWTS Permit No. _____ | GeoSam WNumber *(IGS use only)* _____

Site Identification

Property owner City of Soldier Other ID _____

Address 108 Oak St. City Soldier

Tenant _____

Well depth 196 ft Date completed 12 / 1 / 2022

Location

County Monona

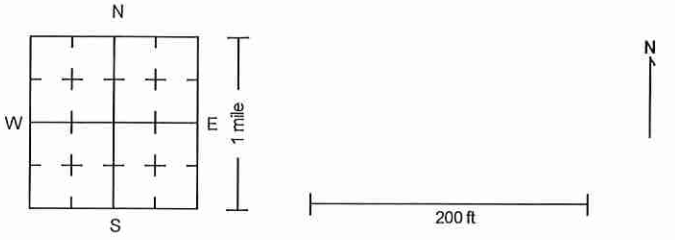
GPS coordinates (NAD83 datum)

41° 59' 14.32" Latitude 95° 46' 56.88" Longitude

☐ Decimal Degrees ☐ Degrees, Decimal Minutes ☑ Degrees, Minutes, Seconds

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec 19 TWP 83 RNG 42 E W

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



Formation Log

From	To	Color	Hardness	Formation description
0	65	brn	soft	Silt
65	76	gray	soft	Silt
76	78	dk. brn	soft	Silt
78	89	gray	soft	Silt
89	91	gray	loose	F-C Sand
91	98	gray	loose	C Sand - VC gravel
98	167	blue gray	soft	Sandy clay
167	175	gray	soft	VF-F Sand
175	176	gray	soft	Sandy clay w/wood
176	185	gray	soft	Sandy clay
185	187	gray	soft	VF-F Sand
187	191	gray	soft	M-Sand - M gravel
191	193	gray	soft	M-C Sand
193	193.5	gray	loose	C Sand - C gravel
193.5	194	lt. gray	consolidate	Shale
194	196	brn	consolidate	Shale
196	196	gray	consolidate	Shale

(use additional sheets as needed)

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

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other _____

Drill Method

☐ Rotary ☐ Auger ☐ Cable ☑ Other Reverse

Hole size

26 inch from 0 ft to 99 ft

22 inch from 99 ft to 196 ft

hole size continued

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ ft

Casing, Screen and/or Loop Pipe

Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top(ft)	Depth Bottom(ft)	Perforated	Slotted	Screen
10	Shurgrip-spline	+2	188	☐	☐	☐ slot size _____
10	Stainless Steel	188	196	☐	☐	☑ slot size .070
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		166	196	amount 60 cu ft variety 3/16 x10		
☐ Seals/packers				type _____		

☑ Bottom capped with SS plate

Casing Grout

Placement method Tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Hole plug	158	166	1/2 Super sack
Neat Cement	7	158	14 c.y.

Pump Installation

Date 5 / 2 / 2023 Depth to intake 168 ft

Type of pump Grundfos Rated capacity 75 GPM

Pump diameter 3 in Final Yield 75 GPM

Well Development and Water Information

Date 1 / 5 / 2023

Static Water Level	Pumping Water Level	Yield	Duration
97 ft	124 ft	75 GPM	8.00 hrs

Water level measurement: ☐ Sonic ☐ Tape ☐ Airline ☑ E-line ☐ Estimate

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from _____ ft to _____ ft below GL

Well Development

Explain: Pumping & surging

Well Disinfection

System Water Volume 410 gal/ft³ Chemical Sterilene

Chemical Concentration 200 mg/L Contact Time 24 hrs

Certified Well Driller

Company Rieschick Drilling Company

Name Roy Rieschick Certification no. 4749

Certified Pump Installer

Company Rieschick Drilling Company

Name Roy Rieschick Certification no. 4749

IOWA Iowa Geological Survey

Rev. 2023

See back for submittal information

DNR Form 542-8170