96676

WELL RECORD FORM

PWS ID No. 8369038

PWTS No. *or* PWS No. _____ | PWTS Permit No. 2021-0193W | GEOSAM Well No. *(IGS use only)* _____

Site Identification

Property owner City of Shelby, IA | Other ID #10

Address PO Box 186 | City Shelby

Tenant _____

Well depth 61 ft | Date completed 1 / 12 / 2022

Location

County Shelby

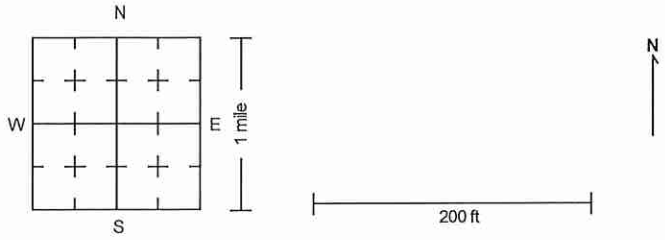
GPS coordinates (NAD83 datum)

41° 31' 1.90" Latitude | 95° 25' 38.95" Longitude

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

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ 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	6	dk brn	soft	Silty Clay
6	8	gray-brn	soft	Silty Clay
8	16	tan	soft	Silty Clay
16	24	bluishgray	soft	Silty Clay
24	32	blue gray	soft	Silt
32	33	gray	soft	Silt w/wood
33	36	gray	soft	F-M Sand w/wood
36	38	gray	loose	M-Sand - C gravel w/wood
38	43	gray	loose	M Sand - C gravel
43	43	gray	soft	Sandy clay
43	46	gray	loose	M Sand - F gravel
46	47	gray	soft	Sandy clay
47	49	gray	loose	M Sand - F gravel
49	51	gray	soft	Sandy clay
51	57	gray	loose	F-M Sand
57	62	gray	soft	Sandy clay
				(use additional sheets as needed)

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

All measurements are from original ground level prior to earthwork.

Pitless units and berms constructed on wells adds 6.5' to all measurements.

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 61 ft

_____ inch from _____ ft to _____ ft

hole size continued

_____ inch from _____ ft to _____ ft

_____ inch from _____ ft to _____ ft

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
12	Steel - Sch 40	+1	51	☐	☐	☐ slot size _____
12	Stainless Steel	51	61	☐	☑	☑ slot size .050
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____

Casing Grout

Placement method Tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Hole Plug	31	35	84 gal
Neat Cement	0	31	650 gal
☑ Gravel packed variety 1/8 x 16	35	61	550
☐ Seals/packers			

Pump Installation

Date 7 / 13 / 2022

Type of pump Grundfos Submersible | Depth to intake 46 ft

Pump diameter 4 in | Rated capacity 62 GPM

Water Information

Date 1 / 16 / 2022

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
11 ft	43 ft	56 GPM	27.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 51 ft to 57 ft below GL

Well Development

☑ Physical explain: Jetting and Pumping

☐ Chemical explain: _____

Contractor

Company Rieschick Drilling Company

Address 70656 649th Ave., Falls City, NE 68355

Driller Roy Rieschick | Certification no. 4749

IGS IIHR Hydroscience & Engineering

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

Or click here to e-mail form to: IIHR-IGS-WellRecords@uiowa.edu

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

The University of Iowa

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