96675

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 #9

Address PO Box 186 | City Shelby

Tenant

Well depth 42 ft | Date completed 1 / 4 / 2022

Location

County Shelby

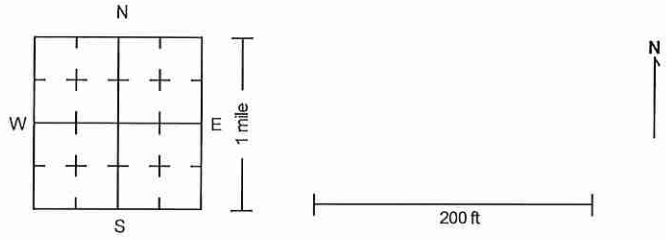
GPS coordinates (NAD83 datum)

41° 30' 51.70" Latitude | 95° 25' 42.69" 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.



Drill Method

☐ Rotary ☐ Auger ☐ Cable ☐ Other Reverse

Hole size

26 inch from 0 ft to 42 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	35	☐	☐	☐ slot size ____
12	Stainless Steel	35	42		☑	☑ slot size .050
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____

Casing Grout

Placement method Tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Hole plug	30	34	84 gal.
Neat Cement	0	30	630 gal.
☑ Gravel packed variety 1/8 x 16	34	42	170 gal.
☐ Seals/packers			

Formation Log

From	To	Color	Hardness	Formation description
0	5	dk brn	soft	Silty Clay
5	14	brn	soft	Silty Clay
14	33	blue gray	soft	Silty Clay
33	34	gray	soft	Silty Clay w/wood
34	38	gray	loose	M Sand - F Gravel w/wood
38	41	gray	loose	C Sand - C Gravel
41	42	gray	soft	Sand w/ Sandy clay
42	43	gray	soft	Sandy clay
				(use additional sheets as needed)

Pump Installation

Date 7 / 13 / 2022

Type of pump Grundfos Submersible | Depth to intake 36 ft

Pump diameter 4 in | Rated capacity 25 GPM

Water Information

Date 01 / 21 / 2022

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
13 ft	34 ft	20 GPM	27.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 34 ft to 41 ft below GL

Well Development

☑ Physical explain: Jetting and Pumping

☐ Chemical explain: ____

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 ____

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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