96677

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 #11

Address PO Box 186 | City Shelby

Tenant

Well depth 61 ft | Date completed 3 / 29 / 2022

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

Location

County Shelby

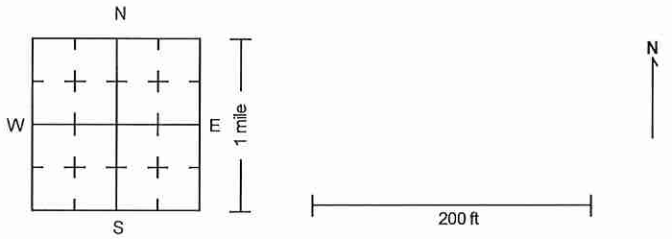
GPS coordinates (NAD83 datum)

41° 31' 9.21" Latitude | 95° 25' 36.27" 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.



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	46	☐	☐	☐ slot size ____
12	Stainless Steel	46	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	36	105 gal.
Neat Cement	0	31	650 gal.
☑ Gravel packed variety 1/8 x 16	36	61	530 gal.
☐ Seals/packers			

Formation Log

From	To	Color	Hardness	Formation description
0	6	dk brn	soft	Silty Clay
6	16	brn	soft	Silty Clay
16	34	blue gray	soft	Silty Clay
34	36	gray	soft	Silty Clay
36	39	gray	loose	C Sand - VC gravel wood/bldrs
39	50	gray	loose	C Sand - C gravel
50	57	gray	loose	F-M Sand
57	60	gray	loose	M-Sand - M gravel
60	61	gray	soft	Sandy clay
				(use additional sheets as needed)

Pump Installation

Date 8 / 15 / 2022

Type of pump Grundfos Submersible | Depth to intake 46 ft

Pump diameter 6 in | Rated capacity 85 GPM

Water Information

Date ____/____/____

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
17 ft	45 ft	100 GPM	27.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 36 ft to 60 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 add 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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