101870

WELL RECORD FORM

PWSID# or PWTS No. 7383045 | PWTS Permit No. _____ | GeoSam WNumber (IGS use only) _____

Site Identification

Property owner City of Shenandoah | Other ID #28

Address 500 West Clarinda Ave. | City Shenandoah

Tenant _____

Well depth 36 ft | Date completed 2 / 26 / 2024

Location

County _____

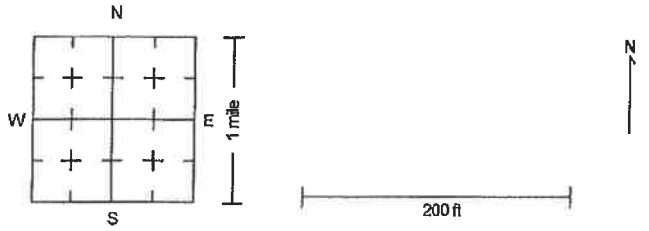
GPS coordinates (NAD83 datum)

40.7581167 Latitude | 95.4229167 Longitude

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

_____ 1/4 of the SE 1/4 of the SE 1/4 of Sec 22 TWP 69 RNG 40 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	5	Lt. Brn	soft	Silt
5	9	Dk. Brn	soft	Silty Clay
9	11	gray	soft	VF-Sand - Silt
11	13	Brn	loose	F-C Sand
13	15	Brn	loose	F-Sand - F-Gravel
15	21	Gray	loose	F-Sand - F-Gravel
21	26		loose	M Sand - C-Gravel w/wood & ligni
26	28	Brn	loose	M-Sand - M -Gravel
28	30	Gray	soft	M-Sand - C- Gravel w/ Clay
30	33	Gray	loose	F-C Sand
33	35	Gray	loose	F-Sand - M-Gravel
35	37	Gray	soft	Sandy Clay
				(use additional sheets as needed)

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

Riser added for flood protection and backfilled with clay.

All measurements are before riser addition.

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 38 ft

_____ inch from _____ ft to _____ 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
12	SS 304	-10	27.5	☐	☐	☐ slot size _____
12	Johnson V-Wire	27.5	35.5	☐	☐	☑ slot size .050
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		25	35.5	amount 1.2 SS		variety 1/8 x 16
☐ Seals/packers				type _____		

☑ Bottom capped with SS Plate

Casing Grout

Placement method Pressure

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Neat Cement	4	20	2.5 cu yds
Hole Plug	20	25	1/4 SS

Pump Installation

Date 9 / 4 / 2024 Depth to intake 30 ft

Type of pump Goulds Rated capacity 150 GPM

Pump diameter 6 in Final Yield 150 GPM

Well Development and Water Information

Date 03 / 01 / 2024

Static Water Level	Pumping Water Level	Yield	Duration
16 ft	26 ft	170 GPM	24.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 27 ft to 35.5 ft below GL

Well Development

Explain: Air lift

Well Disinfection

System Water Volume 160 Gal gal/ft³ Chemical Chlorsafe

Chemical Concentration 200 mg/L Contact Time 24 hrs

Certified Well Driller

Company Rieschick Drilling Company

Name Andrew Rieschick Certification no. 13481

Certified Pump Installer

Company Rieschick Drilling Company

Name Andrew Rieschick Certification no. 13481

IOWA Iowa Geological Survey

Rev. 2023

See back for submittal information

DNR Form 542-8170