101871

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 #27

Address 500 West Clarinda Ave. City Shenandoah

Tenant _____

Well depth 38 ft Date completed 2 / 27 / 2024

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

Location

County _____

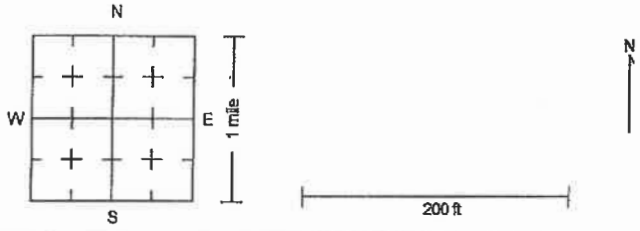
GPS coordinates (NAD83 datum)

40.7581417 Latitude 95.4213944 Longitude

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

_____ 1/4 of the SW 1/4 of the SW 1/4 of Sec 23 TWP 69 RNG 40 E W

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



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	-7	27	☐	☐	☐ slot size _____
12	Johnson V-Wire	27	38	☐	☐	☑ slot size .050
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		25	38	amount 1.2 SS variety 1/8 x 16		
☐ Seals/packers				type _____		

☑ Bottom capped with SS Plate

Formation Log

From	To	Color	Hardness	Formation description
0	15	Dk. Brn	soft	Silty Clay
15	19	gray	loose	VF-F Sand
19	23	gray	loose	F-Sand - F-gravel
23	27	gray	soft	C Sand - C-gravel w/ clay
27	34	gray	loose	M-Sand - M-gravel
34	37	gray	loose	M-Sand - C-gravel
37	38	gray	soft	Sandy Clay

(use additional sheets as needed)

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	180 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 38 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

Remarks

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

Rise added for flood protection and backfilled with clay. All measurements are before the riser addition.

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

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

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

DNR Form 542-8170