

WELL RECORD FORM

PWSID# or PWTS No. _____	PWTS Permit No. _____	GeoSam WNumber (IGS use only) 102174
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Site Identification

Property owner City of Missouri Valley #6
 Other ID _____
 Address Missouri Valley City _____ IA _____
 Tenant _____
 Well depth 85 ft Date completed 5 / 8 / 2024

Location County Harrison

GPS coordinates (NAD83 datum)
41.5607694 Latitude -94.1017361 Longitude
 Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds
1/4 of the 1/4 of the NW 1/4 of Sec 15 TWP 78 RNG 44 ^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	Brown		Top soil and brown clay
5	16	Multi		Black and gray clay
16	29	Black	fine	Sand
29	40	Black	fine	Sand with some med and coarse sand
40	51	Black	fine	Sand
51	60			Fine, med coarse sand and fine gravel
60	80			Fine, med coarse sand and fine gravel with gray clay strips
80	87			Fine, med sand with some coarse sand
87	89			Limestone
(use additional sheets as needed)				

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

Well Use

Domestic Public supply Livestock
 Heat pump Commercial Irrigation
 # of borehole(s) _____ Monitoring Other _____

Drill Method Rotary Auger Cable Other _____

Hole size

<u>30</u> inch from <u>0</u> ft to <u>85</u> ft _____ inch from _____ ft to _____ ft	hole size continued _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft
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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
16	SDR 17	0	55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
16	Stainless Steel	55	85	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> slot size <u>.060</u>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
<input checked="" type="checkbox"/> Gravel packed		30	85	amount <u>4</u> BAGS variety <u>Stainless St</u>		
<input type="checkbox"/> Seals/packers		type _____				
<input type="checkbox"/> Bottom capped with <u>Stainless Steel</u>						

Casing Grout Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Concrete	0	15	3 yards
Bentonite Steal	15	30	3 SS

Pump Installation Date 1 / 29 / 25

Type of pump Grundfos Depth to intake 60 ft
 Pump diameter 6 in Rated capacity 625 GPM

Water Information Date 6 / 19 / 24

Static Water Level	Pumping Water Level	Yield	Duration
<u>6</u> ft	<u>41</u> ft	<u>600</u> GPM	<u>24.00</u> hrs

Water level measurement: Sonic Tape Airline E-line Estimate
 Water yield measurement: Orifice Volumetric Estimate
 Main water-supply zone from 55 ft to 85 ft below GL

Well Development

Physical explain: Double disk surge block piping
 Chemical explain: _____

Contractor

Company Sargent Drilling
 Address 2016 Industrial Park Road, Carroll, IA 51401
 Driller Derek Schweitzer Certification no. 8338