101955

WELL RECORD FORM

PWSID# *or* PWTS No. _____ | PWTS Permit No. 20230416 | GeoSam WNumber *(IGS use only)* _____

Site Identification

Property owner City of Westfield | Other ID _____

Address PO Box 5 | City Westfield

Tenant _____

Well depth 340 ft | Date completed 7 / 29 / 2024

Location

County Plymouth

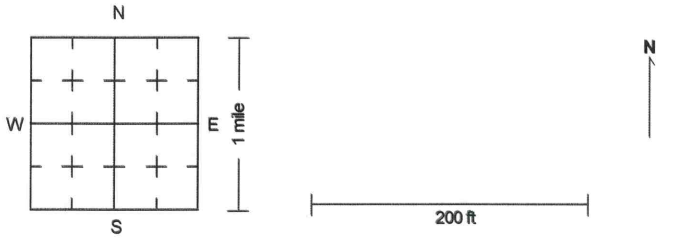
GPS coordinates (NAD83 datum)

42.7566389 Latitude | -96.6037490 Longitude

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

____ 1/4 of the ____ 1/4 of the SW 1/4 of Sec 26 TWP 92 RNG 49 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	14	Brown		Top soil, sandy clay, fine sand
14	20			Fine, medium sand
20	51			Fine, med coarse sand and fine
				medium coarse gravel and rocks
51	60	Gray		Shale
60	80	Multi		Gray and black shale and white
				shale with rocks
80	100	Multi		White and gray shale with hard
				strips and sandstone layer
100	120	Gray		Shale with hard strips
120	140			Sandstone with shale strips
140	142			Sandstone
142	160	Multi		Gray and white shale
160	180	White		Shale
180	200	White		Shale and red and white shale
200	203	White		Shale
				(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

14 inch from 0 ft to 340 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
8	A53B Black HSLA	0	320	☐	☐	☐ slot size _____
8	Johnson SS	320	340	☐	☑	☐ slot size .025
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
☑ Gravel packed		290	340	amount 12.5 yds		variety _____
Seals/packers				type _____		

☑ Bottom capped with Stainless Steel

Casing Grout

Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Concrete	0	260	15
Bentonite Seal	260	290	2 SS

Pump Installation

Date 10 / 9 / 2024

Type of pump Grundfos | Depth to intake 97 ft

Pump diameter 3-4 in | Rated capacity 85 GPM

Water Information

Date 10 / 9 / 2024

Static Water Level	Pumping Water Level	Yield	Duration
30 ft	280 ft	____ GPM	____ hrs

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

Water yield measurement: ☑ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from _____ ft to _____ 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

IGS IIHR Hydroscience & Engineering The University of Iowa

Mail form to **Iowa Department of Natural Resources**: 502 E. 9th St., Des Moines, IA 50319-0034

Or click here to e-mail form to: well.records@dnr.iowa.gov

Make copies for: **well contractor, customer, and county health department**

DNR

Rev. 2017 DNR Form 542-8170

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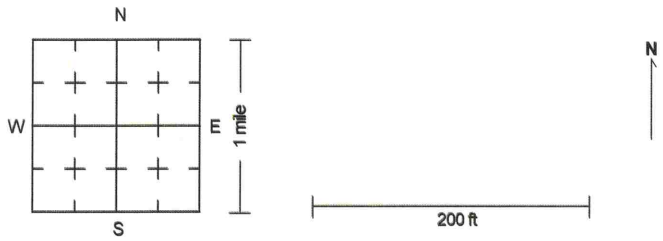
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____ 1/4 of the ____ 1/4 of the SW 1/4 of Sec 26 TWP 92 RNG 49 E W

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
203	220			Sandstone with shale strips and
				hard strip
220	240			Sandstone with hard strip
240	264			Sandstone
264	280	Multi		White and gray shale with hard
				strips
280	285	Gray		Shale with sandstone strip
285	288			Sandstone
288	300	Gray		Shale with sandstone streaks
300	315			Shale with sandstone strips
315	340			Sandstone
				(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

____ inch from 0 ft to ____ 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
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
				☐	☐	☐ slot size ____
☐ Gravel packed				amount ____ variety ____		
☐ Seals/packers				type ____		
☐ Bottom capped with ____						

Casing Grout

Placement method _____

Type	Depth Top	Depth Bottom	Amount (vol/wt)

Pump Installation

Date ____/____/____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information

Date ____/____/____

Static Water Level	Pumping Water Level	Yield	Duration
____ ft	____ ft	____ GPM	____ hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from _____ ft to _____ ft below GL

Well Development

☐ Physical explain: _____

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Contractor

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Address 2016 Industrial Park Road, Carroll, IA 51401

Driller Derek Schweitzer Certification no. 8338

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