101264

WELL RECORD FORM

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

Site Identification

Property owner City of Titonka | Other ID _____

Address (no #) 3rd Ave NE | City Titonka

Tenant _____

Well depth 204 ft | Date completed 4 / 27 / 2023

Location

County Kossuth

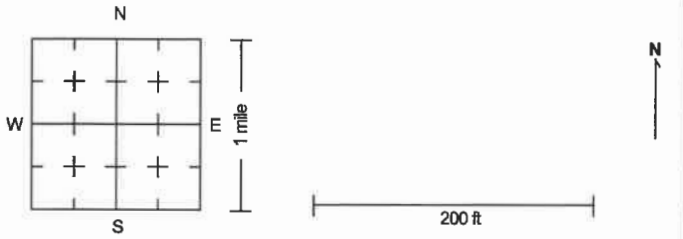
GPS coordinates (NAD83 datum)

43.2376110 Latitude | -94.0403890 Longitude

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

NE 1/4 of the SE 1/4 of the NW 1/4 of Sec 9 TWP 97 RNG 27 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	2	Black	S	Topsoil
2	14	Brown	M	Clay
14	28	Blue	M	Clay - Gummy
28	74	Blue	M	Clay - Rocks
74	84	Blue	M	Clay
84	90	Blue	S	Sand
90	101	Red	M/H	Clay - Gravel
101	145	Yellow	H	Limestone
145	173	Red	M	Clay
173	194	D. Gray	V. H	Limestone
194	200	Blue	Soft	Crevice with Sand
200	204		V. H	
NO SAMPLES from 198' – 204				
WAS Drilling BLIND W/NO RETURN				
				(use additional sheets as needed)

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

Lost circulation at 197'

Well Use

☐ Domestic ☐ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other TEST HOLE 1

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

12 inch from 0 ft to 20 ft

7.87 inch from 20 ft to 204 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: _____

☐ Chemical explain: _____

Contractor

Company Steffl Drilling & Pump Inc

Address 2295 66th Ave NE, Willmar MN 56201-9246

Driller James Block Certification no. 5280

IGS IIHR Hydroscience & Engineering

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See back for submittal information

DNR

DNR Form 542-8170