101995

WELL RECORD FORM

PWSID# or PWTS No. 3980040 | PWTS Permit No. 105 | GeoSam WNumber (IGS use only)

Site Identification

Property owner City of Yale Other ID

Address City Yale

Tenant

Well depth 150 ft Date completed 10 / 17 / 24

Drill Method

☐ Rotary ☐ Auger ☐ Cable ☑ Other Reverse

Hole size

26 inch from 0 ft to 44 ft

20 inch from 44 ft to 150 ft

hole size continued

inch from ft to ft

inch from ft to ft

Location

County Guthrie

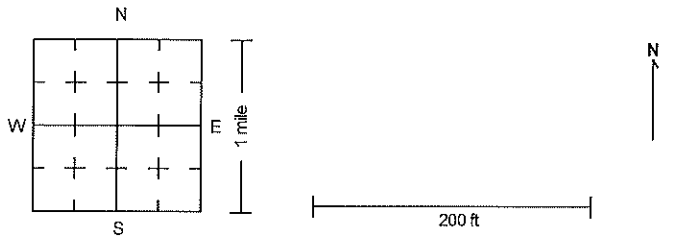
GPS coordinates (NAD83 datum)

41.7717420 Latitude 94.3542280 Longitude

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

1/4 of the 1/4 of the 1/4 of Sec 4 TWP 80 RNG 30 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
8	steel	+1.5	125	☐	☐	☐ slot size
8	Stainless Steel	125	150	☐	☐	☑ slot size .018
				☐	☐	☐ slot size
				☐	☐	☐ slot size
				☐	☐	☐ slot size
☑ Gravel packed		111	150	amount		variety .45x.55mm
☐ Seals/packers				type		

☑ Bottom capped with SS plate

Formation Log

From	To	Color	Hardness	Formation description
0	3	black	soft	silty cl
3	4	gray	soft	silty cl
4	12	tan	soft	silty cl
12	16	gray/brn	soft	sandy cl
16	27	gray	soft	sandy cl
27	41	orng/brn	soft	VF sandstone - F gravel
41	44	lt yellow	consolid.	shale
44	65	lt yellow	soft	shale w/ gravel
65	66	black	consolid.	shale
66	68	black	hard	coal
68	69	dk gray	consolid.	shale
69	73	gray	consolid.	shale
73	88	lt gray	hard	sandy shale
88	152	lt gray	hard	VF-F sandstone
				(use additional sheets as needed)

Casing Grout

Placement method pressure

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Neat Cement	8	111	83.5 cu yds

Pump Installation

Date 12 / 6 / 24 Depth to intake 127 ft

Type of pump Sub. 45S30-7 Rated capacity 45 GPM

Pump diameter 3 in Final Yield 42 GPM

Well Development and Water Information

Date 12 / 6 / 24

Static Water Level	Pumping Water Level	Yield	Duration
5 ft	119 ft	42 GPM	24.00 hrs

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

Water yield measurement: ☐ Orifice ☑ Volumetric ☐ Estimate

Main water-supply zone from 125 ft to 150 ft below GL

Well Development

Explain: pumped 24 hrs.

Well Disinfection

System Water Volume gal/ft³ Chemical chlor safe

Chemical Concentration mg/L Contact Time hrs

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

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

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ☐ Monitoring ☐ Other

IOWA Iowa Geological Survey

See back for submittal information

DNR

DNR Form 542-8170

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