Iowa Department of Natural Resources Geological Survey Bureau
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH (319) 335-1575

WELL RECORD PWSID IA 9778202

Permit No. 2019-0445W

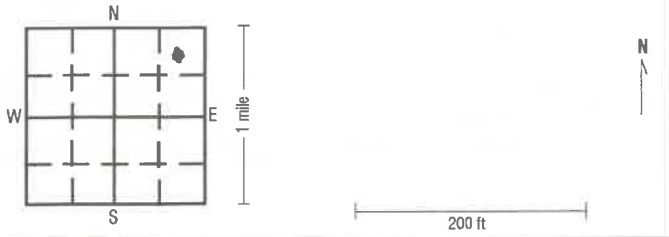
Site identification

Property Owner Eric + Heather Hennings Well Number ____
Address 1400 West 1st Sioux City, Iowa
Tenant ____
Well Depth 235 ft Date completed 9/8/2019

Location

County Woodbury
N42.399711 W96.197334
____ mi. N/S and ____ mi. E/W of intersection of ____ and ____
NW 1/4 of the NE 1/4 of the NE 1/4 of Sec 33 TWP 88 RNG 46 E/W

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



☐ upland ☒ hillside ☐ valley Elevation (if known) ____

Formation log

From	To	Color	Hardness	Formation description
0	40	Brn	Soft	Brn Clay
40	60	Gray	Soft	Gray Clay
60	80	Brn	Med.	Brn Clay Some Shale
80	120	Brn	Soft	Brn Clay
120	130	Blk	Med	~~Blk Clay + Shale~~ Sand + Gravel
~~130~~	~~200~~			
~~200~~	~~235~~			
130	200	Blk	Med	Blk Clay + Shale
200	235	White	Soft	White + Gray Sand

use additional sheets as needed

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

Well use

☐ Domestic ☐ Municipal ☐ Commercial
☐ Livestock ☐ Public supply ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other ____ (explain)

Drill method

☒ rotary ☐ auger ☐ cable other ____

Hole size

9 inch from 0 ft to 235 ft
____ inch from ____ ft to ____ ft
____ inch from ____ ft to ____ ft

hole size continued
____ inch from ____ ft to ____ ft
____ inch from ____ ft to ____ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe (yes / no) Pitless adapter (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
5 inch	SDR 21/200	-6	230	214

Perforated or slotted casing? (yes / no)

Perforated / slotted from ____ ft to ____ ft
Perforated / slotted from ____ ft to ____ ft

Casing grouted? (yes / no)

Placement method Pressure Grout

Type	Depth Top	Depth bottom	Amount (vol/wt)
20% Solids	-6	220	

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material
5 inch	0.035	230	235	5'	PVC
	0.____				

Bottom capped (yes / no) with Cap
Seals / Packers (yes / no) kind ____ depth ____ ft
Gravel packed (yes / no) from 235 ft to 220 ft
type Pea Gravel amount ____

Well screen? (yes / no) — Job Johnson

Well developed? (yes / no)

Explain Air lifted + pumped
(pumped, airlifted, bailed) for 12 hrs at 25 GPM.

Pump installed? (yes / no)

Date 9/8/19
Installer's name Dennis Walsh
Type of pump Goulds Depth to intake ____ ft
Pump diameter 4 Rated capacity 18 GPM

Water information

Aquifer: ☐ sand / gravel ☐ limestone ☒ sandstone
Main water-supply zone from 230 ft to 235 ft ☐ seepage well
Static water level 123 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
Pumping water level 199 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate
At yield of 25 GPM; ☐ orifice ☐ volumetric ☐ estimate
Measurements taken at 9:00 (AM / PM) Date 9/8/19

Water quality test? (yes / no)

Date tested ____/____/____
Tested by ____

Contractor Siouxland Well Co Inc
Address 1004 Ithaca Way Dakota City, NE
Driller Dennis Walsh Certification no. 5683

white copy – **Iowa DNR, Geological Survey Bureau** blue copy – **Well Contractor** pink copy – **Customer** yellow copy – **County Health Officer**

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