WELL RECORD FORM

PWTS No. *or* PWS No. _____ | PWTS Permit No. _____ | GEOSAM Well No. *(IGS use only)* 89226

Site Identification

Property owner City of Harpers Ferry Other ID _____

Address 238 4th Street City Harpers Ferry

Tenant _____

Well depth 272 ft Date completed 6 / 4 / 2018

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☑ Other _____

Hole size

14 inch from 0 ft to 20 ft

12 inch from 20 ft to 161 ft

hole size continued

8 inch from 161 ft to 272 ft

_____ inch from _____ ft to _____ ft

Location

County Allamakee

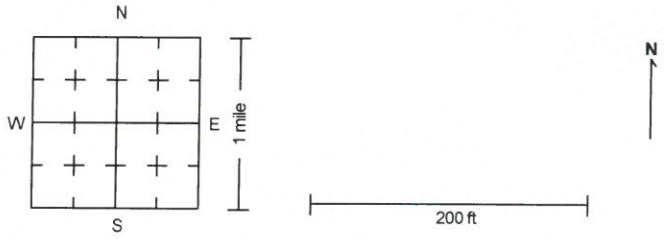
GPS coordinates (NAD83 datum)

_____ Latitude _____ Longitude

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

_____ 1/4 of the _____ 1/4 of the _____ 1/4 of Sec _____ TWP _____ RNG _____ E W

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



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	Steel	+3	161	☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____

Casing Grout

Placement method Pump & Tremie

Type	Depth Top	Depth Bottom	Amount (vol/wt)
Bentonite			
Cement	0	161	
☐ Gravel packed variety _____			
☐ Seals/packers			

Formation Log

From	To	Color	Hardness	Formation description
0	3	Brn	Soft	Sandy Top Soil
3	16	Brn	Med	Sandy Clay
16	52	Brn	Med	Course Sand
52	120	Brn	Soft	Fine Sand
120	148	Brn	Med	Course Sand
148	152	Brn	Med	Broken Lime Rock
152	153	Brn	Soft	Shale
153	269	Gray	Med	Sandstone
269	272	Gray	Soft	Lime Stone
				(use additional sheets as needed)

Pump Installation

Date ____/____/____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information

Date ____/____/____

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
23 ft	130 ft	150 GPM	_____ hrs

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

Water yield measurement: ☐ Orifice ☐ Volumetric ☑ Estimate

Main water-supply zone from 165 ft to 265 ft below GL

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

Well Development

☑ Physical explain: Air Lift

☐ Chemical explain: _____

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☑ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☑ Other Splash pad

Contractor

Company B&B Drilling

Address 2992 Pembroke Ave Fredericksburg IA 50630

Driller Neil Brandenburg Certification no. 1610

IGS IIHR Hydroscience & Engineering

Mail form to **Iowa Geological Survey**: 100 Oakdale IGS, Iowa City, IA 52242-1304

Or click here to e-mail form to: IIHR-IGS-WellRecords@uiowa.edu

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

The University of Iowa

Rev. 2014