WELL RECORD

PWTS Permit No. _____

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

PWTS Well No. _____ W80490 County Permit No. _____

Site identification

Property Owner Rural Water Sstem #1 - PL1-12 Other ID _____

Address 4438 380th St., Hospers, IA 51238

Tenant _____

Well Depth 25 ft Date completed 05 / 7 / 15

36' 6" after berm

Location

County Sioux

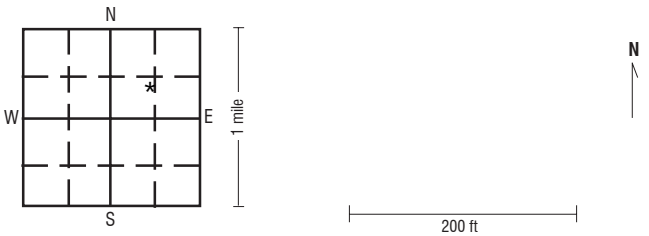
_____ mi. N S and _____ mi. E W of intersection of _____ and _____

NE 1/4 of the SW 1/4 of the _____ 1/4 of Sec 27 TWP 96 RNG 43 X W

GPS Coordinates (NAD83 datum only) decimal degrees:

43 . 103667 N. Latitude 95 . 912028 W. Longitude.

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



☐ upland ☐ hillside ☐ valley ☐ level surface Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	10	brown	dense	Top soil and clay
10	20	brown	dense	Fine, medium, and coarse sand and fine
				medium and coarse gravel
20	30	tan	dense	Clay

use additional sheets as needed

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

Well use

☐ Domestic ☐ Heat pump ☐ Commercial
☐ Livestock ☐ Municipal ☐ Monitoring
☐ Test well ☐ Irrigation ☐ Other _____
☒ Public supply

Drill method

☐ rotary ☐ auger ☐ cable other Caisson

Hole size

54 inch from 0 ft to 25 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)
20"	.500" wall steel	0	17	
20"	.500" wall steel	21	25	

Perforated or slotted casing? (yes / ~~no~~)

~~Perforated~~ / slotted from 17 ft to 21 ft

Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / ~~no~~)

Placement method _____

Type	Depth top	Depth bottom	Amount (vol/wt)
Neat Cement	0	12	4.5 yards
Bentonite	12	15	

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
20"	0.100	17	21	4'	V-wire
	0._ _ _				

Bottom capped (yes / ~~no~~) with steel

Seals / Packers (yes / no) kind _____ depth _____ ft

Gravel packed (yes / ~~no~~) from 15 ft to 25 ft

type .100 amount 5 super sacks

Well developed? (yes / ~~no~~)

Explain Double Disc Surge Block

(pumped, airlifted, bailed) for 10 hrs at 80 GPM

Pump installed? (yes / ~~no~~)

Date 06 / 23 / 15

Installer's name Charles Sargent Irrigation, Inc.

Type of pump Grundfos Depth to intake 34.6 ft

Pump diameter 6 Rated capacity 230 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 17 ft to 21 ft ☐ seepage well

Static water level 19.7 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 25.3 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

At yield of 112.5 GPM; ☒ orifice ☐ volumetric ☐ estimate for 2 hours

Measurements taken at _____ : _____ (AM / PM) Date 06 / 23 / 15

Water quality test? (yes / ~~no~~)

Date tested _____ / _____ / _____

Tested by Rural Water System #1

Contractor Sargent Drilling

Address 2016 Industrial Park Road

Driller Derek Schweitzer Certification no. 8338

Send original form to: **Iowa Department of Natural Resources – Geological Survey**

Make photocopies for: **Well Contractor, Customer, and County Health Department**