WELL RECORD 80488

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. _____

County Permit No. _____

Site identification

Property Owner Rural Water Sstem #1 - PL1-10 Other ID _____

Address 4438 380th St., Hospers, IA 51238

Tenant _____

Well Depth 24 ft 34'5" after berm Date completed 05 / 12 / 15

Location

County Sioux

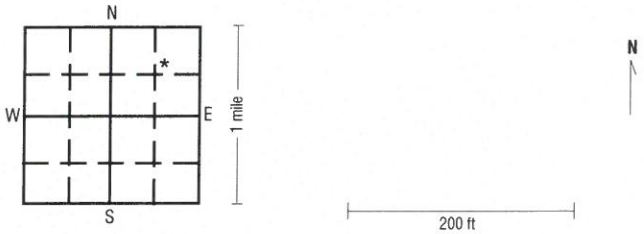
_____ mi. N/S and _____ mi. E/W of intersection of _____ and _____

SW 1/4 of the NE 1/4 of the _____ 1/4 of Sec 14 TWP 96 RNG 43 X W

GPS Coordinates (NAD83 datum only) decimal degrees:

43 . 135056 N. Latitude 95 . 888333 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	7	black	dense	Top soil and black clay
7	17	brown	dense	Fine, medium, coarse sand and fine gravel
17	19	brown	dense	Rocks and gravel
19	20	gray/white	hard	Shale

use additional sheets as needed

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

Well use

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

Drill method

☐ rotary ☐ auger ☐ cable other Caisson

Hole size

54 inch from 0 ft to 24 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	16	
20"	.500" wall steel	20	24	

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

~~Perforated~~ / slotted from 16 ft to 20 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	5 yards
Bentonite	12	14	

Well screen? (yes / no)

Diameter	Slot size	Depth top	Depth bottom	Length	Material
20"	0.100	16	20	4'	V-wire
	0.___				

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

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

Gravel packed (yes / ~~no~~) from 14 ft to 24 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 09 / 21 / 15

Installer's name Charles Sargent Irrigation, Inc.

Type of pump Grundfos Depth to intake 32.6 ft

Pump diameter 6 Rated capacity 230 GPM

Water information

Aquifer: ☒ sand / gravel ☐ limestone ☐ sandstone

Main water-supply zone from 16 ft to 20 ft ☐ seepage well

Static water level 18.5 ft (below / above) GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

Pumping water level 28.2 ft below GL; ☒ tape ☐ airline ☐ E-line ☐ estimate

At yield of 70 GPM; ☒ orifice ☐ volumetric ☐ estimate for 2 hours

Measurements taken at _____ : _____ (AM / PM) Date 09 / 21 / 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**