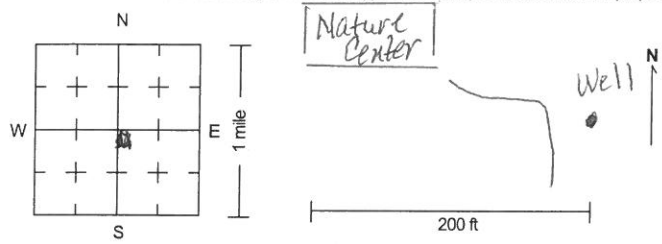


PWTS No. or PWS No. 5715403 PWTS Permit No. 334 GEOSAM Well No. (DNR use only) **8 2 1 4 3**

Site Identification
 Property owner Indian Creek Nature Center Other ID _____
 Address 5300 Otis Road SW City Cedar Rapids
 Tenant Indian Creek Nature Center
 Well depth 240 ft Date completed 5 / 19 / 16

Drill Method Rotary Auger Cable Other _____
Hole size
10 inch from 0 ft to 187 ft 3 inch from 187 ft to 240 ft
 _____ inch from _____ ft to _____ ft _____ inch from _____ ft to _____ ft

Location County Linn
 GPS coordinates (NAD83 datum)
 _____ Latitude _____ Longitude _____
 Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds
 NW 1/4 of the NW 1/4 of the NW 1/4 of Sec 32 TWP 83 RNG 6 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	Regrouted	Slotted	Screen
6		0	187	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____

Casing Grout Placement method _____

Type	Depth top	Depth bottom
cement - 62 bags	0	187

Formation Log

From	To	Color	Hardness	Formation description
0	5	brwn	soft	topsoil
5	14	tan	soft	sand
14	32	gray	med	clay
32	183	gray	hard	limestone
183	185	blue	med	shale
185	240	tan	hard	limestone

(use additional sheets as needed)

Gravel packed variety _____
 Seals/packers

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
<u>11</u> ft	_____ ft	<u>100</u> GPM	<u>2.00</u> hrs

Water level measurement: Sonic Tape Airline E-line Estimate
 Water yield measurement: Orifice Volumetric Estimate
 Main water-supply zone from 190 ft to 210 ft below GL

Well Development
 Physical explain: surge
 Chemical explain: _____

Remarks (including depth of lost drilling fluids, materials, or tools)
area was excavated twice before

Contractor
 Company Sam's Well Drilling Inc
 Address P. O. Box 150, Randolph, WI 53956
 Driller Ryan Barker Certification no. 9197

Well Use
 Domestic Public supply Livestock
 Heat pump Commercial Irrigation
 # of borehole(s) _____ Monitoring Other dewatering