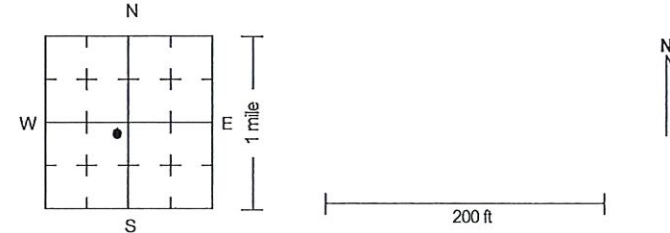


WELL RECORD FORM

PWSID# or PWTS No. IA 4003012 PWTS Permit No. 2019-0366W GeoSam WNumber (IGS use only) _____

Site Identification
 Property owner CITY OF BLAIRSBURG Other ID 4
 Address LAKE ST + 2ND ST. City BLAIRSBURG, IA
 Tenant WATER OPERATOR
 Well depth 442 ft Date completed 1 / 20 / 2021

Drill Method Rotary Auger Cable Other _____
Hole size
 14.75 inch from 0 ft to 165 ft 7.75 inch from 345 ft to 442 ft
 9.75 inch from 165 ft to 345 ft _____ inch from _____ ft to _____ ft

Location County HAMILTON
 GPS coordinates (NAD83 datum)
42.479628 Latitude -93.644373 Longitude
 Decimal Degrees Degrees, Decimal Minutes Degrees, Minutes, Seconds
NW 1/4 of the NE 1/4 of the SE 1/4 of Sec. 35 TWP 89N RNG. 24 ^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
10"	STEEL	0'	165'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> slot size _____
8"	STEEL	165'	345'	<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 _____

Gravel packed N/A amount _____ variety _____
 Seals/packers N/A type _____
 Bottom capped with N/A

Formation Log

From	To	Color	Hardness	Formation description
0'	2'			TOP SOIL
2'	17'			SOFT GREY CLAY
17'	50'			GREY CLAY
55'	78'			GREY TILL
78'	102'			TILL W/ SAND STREAKS
102'	120'			GREY TILL
120'	138'			LIMESTONE
138'	150'			GREY CLAY
150'	165'			TAN LIMESTONE
165'	287'			LIMESTONE W/ SHALE STREAKS
287'	315'			TAN LIMESTONE
315'	316'			SOFT LIMESTONE
316'	355'			TAN LIMESTONE
355'	392'			TAN LIMESTONE
392'	436'			LIGHT GREY LIMESTONE
436'	442'			DARK GREY LIMESTONE (use additional sheets as needed)

Casing Grout Placement method _____
 Type _____ Depth Top _____ Depth Bottom _____ Amount (vol/wt) _____
NEAT CEMENT TYPE I-II 165' 345' 8.5 sacks

Pump Installation Date 1 / 20 / 2021
 Type of pump Goulds Depth to intake 200 ft
 Pump diameter 6 in Rated capacity 100 GPM

Water Information Date 1 / 20 / 2021

Static Water Level	Pumping Water Level	Yield	Duration
<u>64</u> ft	<u>289</u> ft	<u>151</u> GPM	<u>24</u> hrs

Water level measurement: Sonic Tape Airline E-line Estimate
 Water yield measurement: Orifice Volumetric Estimate
 Main water-supply zone from 64 ft to 289 ft below GL

Well Development
 Physical explain: SURGE BLOCK
 Chemical explain: SHOCK CHLORINATION

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

Contractor
 Company CAHOY PUMP SERVICE
 Address 24568 150TH ST. SUMNER, IA 50674
 Driller KAES DEGROOT Certification no. 11135

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